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POLISH-UKRAINIAN BILATERAL TRADE RELATIONS (2006–2011): GROWTH IN THE EXCHANGE OF GOODS ENDOWED WITH HIGHER LEVELS OF TECHNOLOGY

This research investigates the development in Polish-Ukrainian bilateral trade in machinery & transport goods over the 5-year period. This is carried out with a view to ascertaining whether Poland's membership in the European Union since 2004 has benefitted both partners in terms of their expansion of goods endowed with greater shares of technology and convergence between sectors. The work finds that expansion and convergence are evident, but are limited to 2 industrial sectors, suggesting the need for greater research and cooperation between both countries as well as deeper communication in entrepreneurial and governmental spheres of interaction. Keywords: bilateral trade, sectoral convergence, machinery, transport, EU, Poland, Ukraine.

Девід Клоуз

ПОЛЬСЬКО-УКРАЇНСЬКІ ДВОСТОРОННІ ТОРГОВЕЛЬНІ ВІДНОСИНИ (2006–2011): РІСТ ТОРГІВЛІ ТОВАРАМИ, ОБУМОВЛЕНИЙ РОЗВИТКОМ ТЕХНОЛОГІЙ

У статті досліджено розвиток польсько-українських двосторонніх торговельніх зв'язків із акцентом на галузі машинобудування та транспорту за 5 років. З'ясовано, як членство Польщі в Європейському Союзі з 2004 р. вплинуло на обох партнерів з точки зору товарообміну, технологічних інновацій та конвергенції між секторами. Розвиток торгівлі і конвергенція між секторами очевидні, але обмежені двома галузями промисловості, що свідчить про необхідність подальших досліджень і розвитку співробітництва між двома країнами, а також більш глибокої взаємодії у підприємницькій і державній сферах.

Ключові слова: двосторонні торговельні зв'язки, конвергенція між секторами, машинобудування, транспорт, ЄС, Польща, Україна. Форм. 2. Рис. 1. Табл. 3. Літ. 10.

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ПОЛЬСКО-УКРАИНСКИЕ ДВУСТОРОННИЕ ТОРГОВЫЕ ОТНОШЕНИЯ (2006–2011): РОСТ ТОРГОВЛИ ТОВАРАМИ, ОБУСЛОВЛЕННЫЙ РАЗВИТИЕМ ТЕХНОЛОГИЙ

В статье исследовано развитие польско-украинских двусторонних торговых связей с акцентом на отрасли машиностроения и транспорта за 5 лет. Выяснено, как членство Польши в Европейском Союзе с 2004 г. повлияло на обоих партнеров с точки зрения товарообмена, технологических инноваций и конвергенции между секторами. Развитие торговли и конвергенция между секторами очевидны, но ограничены двумя отраслями промышленности, что говорит о необходимости дальнейших исследований и развития сотрудничества между двумя странами, а также более глубокого взаимодействия в предпринимательской и государственной сферах.

Ключевые слова: двусторонние торговые связи, конвергенция между секторами, машиностроение, транспорт, ЕС, Польша, Украина.

Introduction. The European Union (EU) Association Agreement with Ukraine was initialed in Brussels in March 2012, while that area of the agreement governing free trade was initialed in July of the same year. This is some 20 years after the Interim

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Agreement on foreign trade had been signed between the EU and Poland. At the end of 2011, the EU was Ukraine's second most important trade partner, after Russia, accounting for 31% of the country's exports while at the same time supplying 27% of its imports. The country has a geographically diversified group of partners with sizeable markets in the upper spectrum of the table and, addition to the above, include Belarus, China, India, Turkey and the United States. These countries, however, together account for less than 15% of Ukrainian total trade. In this regard, a great deal can be drawn from neoclassical and modern schools of thought on trade, which highlight the strategic advantage of location in so far that countries within close geographical proximity tend to trade more intensively. The European Union is thus instrumental in contributing to the expansion and future development of Ukrainian trade flows. Poland, a country which has benefitted substantially from its integration into the EU supply and production networks, is playing a growing role in these exchanges. This is confirmed by the European Commission sources, which recorded an increase in Ukrainian exports to Poland by 56% in 2010. During the same year, Polish exports to Ukraine surged by more than 14%. However, while increased trade volume signals growth in output, the very structure of that output and the share of goods endowed with higher shares of technology have important implications for the growth in GDP and distribution of welfare.

Poland commenced economic reforms at the start of the 1990s as chiefly a supplier of labour and resource-intensive goods. The gradual liberalisation of its trade regime with the European Union resulted in the privatisation of state-owned enterprises, increased foreign investment and the subsequent restructuring of the country's industry (Hindley, 1993). Poland is now integrated into the wider EU supply and production network. As a growing influential partner in Ukraine's trade expansion with the EU, the research conducts analyses of the increasing volume of trade, but more specifically questions the extent of convergence in the exchange of goods endowed with higher shares of technology over the period 2006–2011.

The Grubel-Lloyd Index & Intra-industry Trade. Intra-industry trade is the exchange of goods between countries from broadly the same industries, whereas interindustry trade represents the exchange of different goods (Grubel & Lloyd, 1975). Therefore, the measurement of trade flows between 2 countries reveals both the nature of trade conducted between them (inter/intra) and to what extent countries are similar in their factor endowments. For example, if trade is revealed to be more interindustry in nature (index value \leq 50), this would suggest a difference between 2 countries' endowments and could imply that a country may have a comparative advantage in the production of a certain good. This would be consistent with the Ricardian and neo-classical schools of thought. In contrast, intra-industry trade (index value > 50), which occurs as a result of 2 countries being similar in their factor endowments, is more characteristic of the exchange of goods that takes place in the world today, and especially between industrialised countries where it has become the dominant form of trade (Hoekman & Djankov, 1997). Production plants have become endowed with similar, but different levels of technology over time. This in turn determines capitallabour ratios and hence income (Aturupane et al., 1999). The necessity of investment in raising productivity and output therefore emphasises the role of income as one of the key determinants of intra-industry trade (Balassa, 1986).

Measurement. The Grubel-Lloyd index (GL-1) was proposed by Mikic (1998). This particular version of the index contains a weight of 0.5 to adjust for the eventuality of trade imbalances (surplus/deficit) and does so by upwardly or downwardly adjusting the end value according to the degree of imbalance. In the absence of this weight in (1), it could occur that the performance of a particular industry could well be over- or underestimated. The model, as applied in the excel calculations of this work, can also be rewritten as shown in (2).

$$IIT = \left\{ 1 - 0.5 \left[\sum \left[\left(\frac{x_i}{x} \right) - \left(\frac{m_i}{m} \right) \right] \right\} \times 100.$$
 (1)

$$IIT = \left[\frac{\Sigma(x_i + m_i) - \Sigma(x_{i-}m_i)}{\Sigma(x_i + m_i)}\right] \times 100.$$
(2)

In compiling the statistical information for this analysis, 2 years have been chosen to measure Polish-Ukrainian trade flows: 2005 and 2011, thus allowing convergence as well as any significant change in industrial output and likewise exports to be measured over a longer period of time. The data used in this analysis is the 3-digit SITC (standard international trade classification) by Eurostat. This research focuses on SITC 7.

United Nations & Eurostat Commodity Groups:

SITC 0 = Food & live animals.

SITC 1 = Beverages & tobacco.

SITC 2 = Crude materials, inedible, except fuels.

SITC 3 = Mineral fuels, lubricants & related materials.

SITC 4 = Animal & vegetable oils, fats & waxes.

SITC 5 = Chemicals & related products.

SITC 6 = Manufactured goods classified chiefly by material.

SITC 7 = *Machinery* & *transport* equipment.

SITC 8 = Miscellaneous articles.

SITC 9 = Commodities & transactions not classified in the listed SITC groups.

In 2006, Poland's exports of machinery and transport equipment (SITC 7) stood at 1.159 bln. euro and accounted for 36.4% of its total exports to Ukraine. By 2011, the share of machinery and transported goods had fallen by 9% (Figure 1), while total exports had increased by 5.2%. The onset of the recession is a possible cause for the fall in exports in this sector, while a process of both changing patterns of convergence and specialisation between 2 countries are also evident during the measured period of industrial exchange.

Poland's imports from Ukraine increased by 1.7% over the same period. Since Poland joined the EU in 2004 it has been much easier for Ukraine to export to Europe. Russia remains the most important trade partner for Ukraine, though there has been a shift towards Europe, resulting in an expansion of trade with Poland (Misala, 1992). The overall trade structure initially consisted of resource-based goods from Ukraine, such as steel, fuels and ores, while Poland supplied merchandise goods such as vehicles and electronics (USAID, 2005). The latter types of goods belong to SITC 7, which is the category of interest in this work. Table 1 summarises the inflows and outflows of Polish goods to Ukraine as well as the IIT value for the level of convergence in 2006.



Figure 1. Trade in SITC 7 commodities in 2006 & 2011

Grubel-Lloyd Results (2006). The first column lists 9 SITC 7 commodity categories. These categories have been labelled and expanded into their respective 3-digit commodities, which total 50 in number. For orientation, these are presented in Annex 1 of this work.

& Intra-Industry trade (2006)								
Industry	x_i	%	m_i	%	$x_i - m_i$	IIT_i		
SITC 71	68990762	8.18	3569540	5.95	65421222	9.84		
SITC 72	124477124	4.36	1901915	10.74	122575209	3.00		
SITC 73	12857620	17.87	7797151	1.11	5060469	75.50		
SITC 74	143251022	11.18	4877446	12.36	138373576	6.59		
SITC 75	11942709	0,19	84272	1.03	11858437	1.40		
SITC 76	53596321	1.96	853940	4.62	52742381	3.14		
SITC 77	151893931	38.14	16645003	13.11	135248928	19.75		
SITC 78	576281354	8.73	3809981	49.72	572471373	1.31		
SI79	15747088	9.40	4100161	1.36	11646927	41.31		
Total	1159037931	100	43639409	100	1115398522			

 Table 1. Polish-Ukrainian trade volumes (mln. euro)

 & Intra-industry trade (2006)

Source: Own calculations based on Eurostat, 3-digit data, 2006.

Poland's exports to Ukraine (column 2) totalled 1.159 bln. euro in 2006. More than 38% of these commodities (column 3) were made up of the goods supplied by industries categorised under SITC 77, which (Annex 1) supply electrical machinery and apparatus. Ukrainian exports of these commodities (Polish imports, column 4) totalled 16.6 mln. euro and represented 13.1% of its total SITC 7 outflows to Poland. Application of the Grubel-Lloyd index (IIT, column 7) reflects Poland's dominance in the exchange of these items and indicates a low level of convergence (19.75) between both countries' industries (Grubel & Lloyd, 1975).

In terms of actual convergence, 1 out of 9 given categories falls in line (> 50) with Grubel-Lloyd criteria. This is SITC 73, which for 2006 registered an IIT value of 75.5, which reflects the exchange of goods produced by similar industries, confirmed by a comparatively lower trade deficit. The exchange of commodities from this cate-

gory comprises machine tools and metal working machinery, but features low in Poland's imports 1.1% (column 5) while constituting 17.8% of Poland's exports (column 3).

Grubel-Lloyd Results (2011). Table 2 provides the results for trade volume and convergence between the countries 5 years later.

Industry	χ_{i}	%	m_i	%	$x_i - m_i$	IIT_i		
SITC 71	40906511	4.20	4854686	4.46	36051825	21.22		
SITC 72	114448229	3.77	4354504	12.48	110093725	7.33		
SITC 73	10704424	5.69	6566333	1.17	4138091	76.04		
SITC 74	124683992	10.37	11976296	13.59	112707696	17.53		
SITC 75	13033966	0.15	175679	1.42	12858287	2.66		
SITC 76	96602080	0.25	284921	10.53	96317159	0.59		
SITC 77	23001381	67.86	78351400	25.62	156649981	50.01		
SITC 78	209592392	2.36	2728453	22.85	206863939	2.57		
SITC 79	72384824	5.4	6167089	7.89	66217735	15.70		
Total	917357799	100	115459361	100	801898438			

Table 2. Polish-Ukrainian trade volumes (mln. euro) & Intra-industry trade (2011)

Source: Own calculations based on Eurostat, 3-digit data, 2011.

At the outset, it should be noted that Poland's "total" exports to Ukraine had increased in volume from a value of 3.178 bln. euro in 2006 to 3.346 bln. euro in 2011. This represents the average growth of 1.05%. Total imports from Ukraine meanwhile grew by an average of 17.6% from 1.039 bln. euro to 1.956 bln. euro, suggesting that the 5-year period, on average, has benefitted Ukrainian exporters substantially more in growth terms.

The contribution of machinery and transport goods as a share of total trade also revealed significant change over time (Figure 1). However, the aforementioned 2 SITC 7 categories discussed on Table 1 reveal change worthy to mention. First and foremost, while the level of intra-industry trade in SITC 73 products has decreased slightly to 76.04%, the actual Polish export volume of these products has actually fallen from 17.87% of total SITC 7 (2006) exports to 5.69% in 2011. One can observe that, while Polish imports of these products have remained relatively stable, a reduction in the trade deficit is observable.

The second category discussed in Table 1 does provide some important pointers as to the future and this concerns namely those products traded under the heading of SITC 77 (electrical machinery and apparatus). The first noticeable result on Table 2 is the degree of convergence as measure by the Grubel-Lloyd index. In 2006, the value stood at 19.75, while in 2011 had increased to 50.01, suggesting a far integrated level of exchange between the 2 industries of these countries. This is confirmed by the actual share of Polish imports and exports as a percentage of the total SITC 7 group. Polish exports, for example, had increased from 38.1% (2006) to 67.8% in 2011, while imports from Ukraine in these products had increased from 13.1% to 25.6%, indicating areas of industrial specialisation mutually beneficial for both partners.

The fleshed out interpretation of these industrial commodities signifies greater investment in industry in order to expand capacity. This is more applicable in the case of Ukraine, whose expansion of such industrial products to Poland as well as its total trade exchanges with the European Union has benefitted the country's industrial sector, not to mention greater potential stability at the labour market.

Conclusion. The research shows that countries with higher shares of industrial products in their total output and its capability to both expand and export them has beneficial effects in terms of their integration into regional trade blocs as well as the global economy as a whole. The results of this research focused on 2 countries Poland and Ukraine. The former of the 2 commenced economic reform in the 1990's with substantially deeper economic problems and the highest level of foreign debt, but benefitted from Western financial assistance as well as integration into European supply and production networks. This was of greater advantage for Ukraine after Poland joined the European Union in 2004, which facilitated greater access as well as the integration of its own industries into similar production networks.

Bilateral trade between the 2 countries has increased considerably over time and the exchange of industrial products discussed in this work reveals that over the 5-year period analysed, expansion and convergence have taken place in the exchange of products endowed with medium levels of technology. This is particularly relevant in the case of electrical machinery and apparatus, an area of industrial specialisation in which both countries have deepened their cooperation.

It should be outlined that the table given in Annex 1 lists these products under UN headings as SITC 771 and 772 defined as goods traded in "electrical power machinery" (771) and "Electrical apparatus for switching or protecting electrical circuits or for making connections to or in electrical circuits" (772). These products can be used for domestic or industrial purposes and can likewise be produced via the utilization of medium- and low-skilled labour, respectively.

The salience of the subject illustrates the need for greater research in this area with a view to tracking trade at a more detailed and disaggregated level, so that entrepreneurs in both countries as well as policy makers were more aware of the future potential across all industrial sectors.

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Street COARMOD/THS (2011) Ukraine Utraine Utraine Internal 711 Steam or other vapour querions 800796 15167 3.717570527 712 Steam turbines and other vapour turbines 1277231 0 0 0 713 Internal combustion piston engines 57283435 716638 2.471162407 714 Engines and moters, non-electric 336568 2076614 27.89412485 718 Power generating machinery 2302789 432591 31.62931658 712 Agricultural machinery (excluding tractors) 33736772 337859 1.983053023 722 Tractors 2302789 10819 0.262335422 724 Textile and leather machinery 3591495 99304 5.381165433 725 Paper mill and pulp mill machinery 5239577 2.545 0.0970933 727 Food-processing machines 10077014 65689 1.29529574 731 Machine tools for working metal 4830946 132467 5.33778367 735 Parts, n.e.s., and accessories 970220 814862 91296874 734 Machiworking machinery 5084929 6455248 </th <th>SITC 7 COMMODITIES (2011)</th> <th>Exports to</th> <th>Imports from</th> <th>ПТ</th>	SITC 7 COMMODITIES (2011)	Exports to	Imports from	ПТ
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T22 Tractors 2395930 32398 2,66833805 723 Civil engineering and contractors' plant & 11865223 795494 12,56633412 724 Textile and leather machinery 3591495 99304 5,381165433 725 Paper mill and pulp mill machinery 5239577 2545 0.097098084 727 Food-processing machines 10077014 65689 1,295295741 738 Other machinery 49333714 557807 2,236079353 731 Machine tools 1971525 394574 33,35228154 733 Machine tools for working metal 4830946 132467 5,337783567 735 Parts, n.e.s., and accessories 970220 814862 91,2968704 741 Heating and cooling equipment 33140665 165870 0,996020751 742 Pumps for air or other gas compressors 30337195 874751 5,605232048 744 Mechanical handling equipment 19654104 37348 8,014313701 743 Pumps for air or other gas compressors 30337195 874751 5,605232048 744 Machanical handling equipment 19654104 373478 3,709636458	721 Agricultural machinery (excluding tractors)	33736772	337859	1,983053023
723 Civil engineering and contractors' plant & 11865223 795494 12,56633412 equipment 3591495 99304 5,381165433 724 Textile and leather machinery 5239577 2545 0,097098084 727 Food-processing machines 10077014 65689 1,295295741 728 Other machinery 49333714 557807 2,236079353 731 Machine tools 1971525 394574 33,3228154 733 Machine tools for working metal 4830946 132467 5337783367 735 Parts, n.es., and accessories 970220 814862 91,2968704 734 Metalworking machinery 5084929 6455248 88,1256674 741 Heating and cooling equipment 33140665 165870 0.0996002751 742 Pumps for liquids 17519697 731348 8014313701 744 Mechanical handling equipment 19654104 373478 3.729636458 745 Non-electrical machinery 13475518 170625 2,50070661 </td <td>722 Tractors</td> <td>2395930</td> <td>32398</td> <td>2.66833805</td>	722 Tractors	2395930	32398	2.66833805
cquipment 3591495 99304 5,381165433 724 Textile and leather machinery 3591495 99304 5,381165433 725 Paper mill and pulp mill machinery 5239577 2545 0,097098084 727 Food-processing machines 10077014 65689 1,295295741 738 Machine tools 1971525 334574 33,35228154 733 Machine tools for working metal 4830946 132467 5,337738367 735 Parts, n.es., and accessories 970220 814862 91,2968704 737 Metalworking machinery 5084929 6455248 88,1256674 741 Heating and cooling equipment 31340665 165870 0.996020751 742 Pumps for liquids 17519697 731348 8,014313701 744 Mechanical handling equipment 19654104 3734783 3,729364548 745 Non-electrical machinery 13475518 170625 2,50070661 746 Ball/roller bearings 5225586 1725525 49,64745923 747 Taps, cocks, valves and similar appliances 132904 57 0,036519616 751 Office machines	723 Civil engineering and contractors' plant &	11865223	795494	12,56633412
124 field field field fill 3351435 95044 3351435 125 Paper mill and public mill machinery \$233391 10819 0.26233545 126 Printing and bookbinding machinery \$233597 2545 0.097098084 127 Food-processing machines 10077014 65689 1.295295741 128 Other machinery 49333714 557807 2.236079353 131 Machine tools for working metal 4830946 132467 5.337738367 135 Parts, n.e.s., and accessories 970220 814862 91,2968704 737 Metalworking machinery 5084929 6455248 88,1256674 741 Heating and cooling equipment 33140665 165870 0.996020751 742 Pumps for air or other gas compressors 30337195 874751 5.605232048 744 Mechanical handling equipment 19654104 373478 3.729636458 745 Non-electrical machinery 13475518 170552 2.90070661 744 Mechanical bandling equipment 19654104 373478 3.7290636458 745 Non-electric and accessories of machinery 5262319 214026 3.0119	794 Toytile and leather meabinery	2501405	00204	5 291165422
12.9 raper limit and pulp limit internative 323739 10619 0.20233432 126 Printing and bookbinding machinery 5239577 2545 0.007098084 127 Food-processing machines 10077014 65689 1.295295741 128 Other machinery 49333714 557807 2.236079353 331 Machine tools for working metal 4830946 132467 5.337738367 737 Metalworking machinery 5084929 6455248 881256674 741 Heating and cooling equipment 33140665 165870 0.996020751 742 Pumps for liquids 17519697 731348 $8,014313701$ 743 Pumps for air or other gas compressors 30337195 874751 $5,605232048$ 744 Mechanical handling equipment 19654104 373478 $3,729636458$ 745 Non-electrical machinery 13475518 1705252 $49,60745923$ 747 Taps, cocks, valves and similar appliances 13997580 214026 $3,01198893$ 748 Non-electric parts and accesories of machinery 5262319 214131 $7,820065919$ 751 Office machines 7242239 39966 1.097634576	724 Texture and reacher machinery	<u>0091490</u> 0027200	10810	0.060225452
120 Princing and book binding inactinery 323371 2343 0.097095081 127 Food-processing machines 10077014 65689 1.295295741 128 Other machinery 49333714 557807 2.236079353 731 Machine tools for working metal 4830946 132467 5.337738367 735 Parts, n.e.s., and accessories 970220 814862 91,2968704 737 Metalworking machinery 5084929 6455248 88,1256674 741 Heating and cooling equipment 33140665 165870 0.996020751 742 Pumps for liquids 1751997 731348 8014313701 743 Pumps for air or other gas compressors 30337195 874751 5,605232048 744 Mechanical handling equipment 19654104 373478 3,72963658 745 Non-electrica machinery 13475518 170625 2,50070666 744 Ball/roller bearings 5225586 1725525 49,64745923 749 Non-electric machinery 5262319	720 Paper Inni and purp Inni Inachinery	6237399	10019	0,202333432
127 1000-processing inferintes 1007/1014 05069 1,25525741 128 Other machinery 49333714 557807 2,236079353 731 Machine tools for working metal 4830946 132467 5,337738367 735 Parts, n.e.s., and accessories 970220 814862 91,2968704 737 Metalworking machinery 5084929 6455248 88,1256674 741 Heating and cooling equipment 33140665 165870 0.996020751 742 Pumps for liquids 17519697 731348 8,014313701 743 Pumps for liquid 19654104 373478 3,729636458 744 Mechanical handling equipment 19654104 373478 3,729636458 745 Saloreke sand similar appliances 13997580 214026 3,01988934 746 Ball/roller bearings 5225586 17252525 49,64745923 747 Taps, cocks, valves and similar appliances 312104 57 0,036519616 752 Automatic data-processing machinery 5262319<	726 Printing and bookdinding machinery	3239377	2343	0,097098084
128 Other machinery 49333714 35707 2,13007 731 Machine tools 1971525 394574 33,35228154 733 Machine tools for working metal 4830946 132467 5,337738367 735 Parts, n.e.s., and accessories 970220 814862 91,2968704 741 Heating and cooling equipment 33140665 165870 0.996020751 742 Pumps for liquids 17519697 731348 8014313701 744 Mechanical handling equipment 19654104 37374751 5,605232048 744 Machanical handling equipment 19654104 37374751 5,605232048 744 Machanical handling equipment 19654104 37374751 5,605232048 744 Ball/roller bearings 5225586 1725252 49,64745923 747 Taps, cocks, valves and sinilar appliances 13997580 214026 3,011988934 748 Transmission shafts 4638358 407692 16,15885693 749 Non-electric parts and accessories of machinery 5262319 214131 7,820065919 751 Of	727 Food-processing machines	10077014	03009	1,293293741
131 Machine tools 19/1525 334574 33,35226134 733 Machine tools for working metal 4830946 132467 5,33738367 735 Parts, n.e.s., and accessories 970220 814862 91,2968704 737 Metalworking machinery 5084929 6455248 88,1256674 741 Heating and cooling equipment 33140665 165870 0.996020751 742 Pumps for air or other gas compressors 30337195 874751 5,605232048 744 Mechanical handling equipment 19654104 373478 3,729636458 745 Non-electrical machinery 13475518 170625 2,50070661 746 Ball/roller bearings 52255866 1725525 49,64745923 747 Taps, cocks, valves and similar appliances 13997580 214026 3,011988934 748 Transnission shafts 4638358 407692 16,15885693 751 Office machines 312104 57 0,036519616 752 Automatic data-processing machines 7242239 39966 1,097634576 759 Parts and acces	728 Other machinery	49333714	557807	2,236079353
133 Machine tools for working metal 4830946 132467 3,37738367 735 Parts, n.e.s., and accessories 970220 814862 91,2968704 737 Metalworking machinery 5084929 6455248 88,1256674 741 Heating and cooling equipment 33140665 165870 0,996020751 742 Pumps for liquids 17519697 7731348 8014313701 743 Pumps for liquids 175519697 7731348 8014313701 744 Mechanical handling equipment 19654104 373478 3,729636458 745 Non-electrical machinery 13475518 170625 2,50070661 746 Ball/roller bearings 5225586 1725525 49,64745923 747 Taps, cocks, valves and similar appliances 13997580 214026 3,011988934 748 Transmission shafts 4638358 407692 16,15885693 749 Non-electric parts and accessories of machinery 5262319 214131 7,820065919 751 Office machines 7242239 39966 1,097634576 752 Automatic dat	731 Machine tools	1971525	394574	33,35228154
735 Parts, n.e.s., and accessories 97/0220 814862 91,2968704 737 Metalworking machinery 5084929 6455248 88,1256674 741 Heating and cooling equipment 33140665 165870 0.996020751 742 Pumps for liquids 17519697 731348 8,014313701 743 Pumps for air or other gas compressors 30337195 874751 5,605232048 744 Mechanical handling equipment 19654104 373478 3,729636458 745 Non-electrical machinery 13475518 170625 2,5007661 746 Ball/roller bearings 5225586 1725525 49,64745923 747 Taps, cocks, valves and similar appliances 13997580 214026 3,011988934 748 Transmission shafts 4638358 407692 16,15885693 749 Non-electric parts and accessories of machinery 5262319 214131 7,820065919 751 Office machines 312104 57 0,036519616 752 Automatic data-processing machines 7242239 39966 1,097634576 761	733 Machine tools for working metal	4830946	132467	5,337738367
737 Metalworking machinery 5084929 6455248 88,1256674 741 Heating and cooling equipment 33140665 165870 0,996020751 742 Pumps for liquids 17519697 731348 8,014313701 743 Pumps for air or other gas compressors 30337195 874751 5,605232048 744 Mechanical handling equipment 19654104 373478 3,729636458 745 Non-electrical machinery 13475518 170625 2,50070661 746 Ball/roller bearings 5225586 1725525 49,64745923 747 Taps, cocks, valves and similar appliances 13997580 214026 3,011988934 748 Transmission shafts 4638358 407692 16,15885693 749 Non-electric parts and accessories of machinery 5262319 214131 7,820065919 751 Office machines 312104 57 0,036519616 752 Automatic data-processing machines 742239 39966 1,097634576 761 Television receivers 19848832 47667 0,479147215 763 Sou	735 Parts, n.e.s., and accessories	970220	814862	91,2968704
741 Heating and cooling equipment 33140665 165870 0.996020751 742 Pumps for liquids 17519697 731348 8.014313701 743 Pumps for air or other gas compressors 30337195 874751 5.605232048 744 Mechanical handling equipment 19654104 373478 3,729636458 745 Non-electrical machinery 13475518 170625 2,50070661 746 Tansnission shafts 4638358 4007692 16,15885693 749 Non-electric parts and accessories of machinery 5262319 214131 7,820065919 751 Office machines 312104 57 0.036519616 752 Automatic data-processing machines 7242239 39966 1.097634576 759 Parts and accessories 4388366 44249 1.996518985 761 Television receivers 19848932 47667 0,479147215 762 Radio-broadcast receivers 147536 170378 92,81503803 763 Sound recorders 370045 100 0,054032879 764 Telecommunications equipment	737 Metalworking machinery	5084929	6455248	88,1256674
742 Pumps for liquids 17519697 731348 8.014313701 743 Pumps for air or other gas compressors 30337195 874751 5.605232048 744 Mechanical handling equipment 19654104 373478 3.729636458 745 Non-electrical machinery 13475518 170625 2.50070661 746 Ball/roller bearings 5225586 1725525 49,64745923 747 Taps, cocks, valves and similar appliances 13997780 214026 3.011988934 748 Transmission shafts 4638358 407692 16,15885693 749 Non-electric parts and accessories of machinery 5262319 214131 7.820065919 751 Office machines 312104 57 0.036519616 752 Automatic data-processing machines 7242239 39966 1.097634576 759 Parts and accessories 4388366 4249 1.996518985 761 Television receivers 147536 170378 92.81503803 763 Sound recorders 370045 100 0.054032879 764 Telecommunications equipment 33229808 635795 3.754812811 771 Electric power machinery 6394254 123520 3.79025108	741 Heating and cooling equipment	33140665	165870	0,996020751
743 Pumps for air or other gas compressors 30337195 874751 5,605232048 744 Mechanical handling equipment 19654104 373478 3,729636458 745 Non-electrical machinery 13475518 170625 2,50070661 746 Ball/roller bearings 5225586 1725525 49,64745923 747 Taps, cocks, valves and similar appliances 13997580 214026 3,011988934 748 Transmission shafts 4638358 407692 16,15885693 749 Non-electric parts and accessories of machinery 5262319 214131 7,820065919 751 Office machines 312104 57 0,036519616 752 Automatic data-processing machines 7242239 39966 1,097634576 759 Parts and accessories 19848932 47667 0,479147215 762 Radio-broadcast receivers 19848932 47667 0,479147215 764 Television receivers 370458 635795 3,754812811 771 Electric power machinery 6394254 123520 3,790251089 772 Ele	742 Pumps for liquids	17519697	731348	8,014313701
744Mechanical handling equipment196541043734783,729636458745Non-electrical machinery134755181706252,50070661746Ball/roller bearings5225586172552549,64745923747Taps, cocks, valves and similar appliances139975802140263,011988934748Transmission shafts463835840769216,15885693749Non-electric parts and accessories of machinery52623192141317,820065919751Office machines312104570,036519616752Automatic data-processing machines7242239399661,097634576759Parts and accessories4388366442491,996518985761Television receivers19848932476670,479147215762Radio-broadcast receivers14753617037892,81503803763Sound recorders3700451000,054032879764Telecommunications equipment332298086357953,754812811771Electric power machinery63942541235203,709251089772Electrical apparatus187847238141888,308502447773Equipment for distributing electricty256207611187909263,35540569774Electrical apparatus for medical purposes17284035295546,90475558775Household electrical equipment5728909212794694,369132433776Thermionic, cold cathode or photo tubes3932224156741<	743 Pumps for air or other gas compressors	30337195	874751	5,605232048
745 Non-electrical machinery 13475518 170625 2,50070661 746 Ball/roller bearings 5225586 1725525 49,64745923 747 Taps, cocks, valves and similar appliances 13997580 214026 3,011988934 748 Transmission shafts 4638538 407692 16,15885693 749 Non-electric parts and accessories of machinery 5262319 214131 7,820065919 751 Office machines 312104 57 0,036519616 752 Automatic data-processing machines 7242239 39966 1,097634576 759 Parts and accessories 4388366 44249 1,996518985 761 Television receivers 19848932 47667 0,479147215 762 Radio-broadcast receivers 147536 170378 92,8153803 763 Sound recorders 370045 100 0,054032879 764 Telecommunications equipment 33229808 635795 3,754812811 771 Electrical apparatus 18784723 814188 8,308502447 773 Equipment for distributing electricty	744 Mechanical handling equipment	19654104	373478	3,729636458
746 Ball/roller bearings 5225586 1725525 49,64745923 747 Taps, cocks, valves and similar appliances 13997580 214026 3,011988934 748 Transmission shafts 4638358 407692 16,15885693 749 Non-electric parts and accessories of machinery 5262319 214131 7,820065919 751 Office machines 712104 57 0,036519616 752 Automatic data-processing machines 7242239 39966 1,097634576 759 Parts and accessories 4388366 44249 1,996518985 761 Television receivers 19848932 47667 0,479147215 762 Radio-broadcast receivers 147536 170378 92,81503803 763 Sound recorders 370045 100 0,054032879 764 Telecommunications equipment 33229808 635795 3,754812811 771 Electrical apparatus 18784723 814188 8,308502447 773 Equipment for distributing electricty 25620761	745 Non-electrical machinery	13475518	170625	2,50070661
747 Taps, cocks, valves and similar appliances 13997580 214026 3,011988934 748 Transmission shafts 4638358 407692 16,15885693 749 Non-electric parts and accessories of machinery 5262319 214131 7,820065919 751 Office machines 312104 57 0,036519616 752 Automatic data-processing machines 7242239 39966 1,097634576 759 Parts and accessories 4388366 44249 1,996518985 761 Television receivers 19848932 47667 0,479147215 762 Radio-broadcast receivers 147536 170378 92,81503803 763 Sound recorders 370045 100 0,054032879 764 Telecommunications equipment 33229808 635795 3,754812811 771 Electric power machinery 6394254 123520 3,790251089 772 Electrical apparatus 18784723 814188 8,308502447 773 Equipment for distributing electricty 25620761 11879092 63,35540569 774 Electro-diagnostic apparatus for medical purposes 172843 52955 46,90475558 775 Household electrical equipment 57289092 <td< td=""><td>746 Ball/roller bearings</td><td>5225586</td><td>1725525</td><td>49,64745923</td></td<>	746 Ball/roller bearings	5225586	1725525	49,64745923
748 Transmission shafts 4638358 407692 16,15885693 749 Non-electric parts and accessories of machinery 5262319 214131 7,820065919 751 Office machines 312104 57 0,036519616 752 Automatic data-processing machines 7242239 39966 1,097634576 759 Parts and accessories 4388366 44249 1,996518985 761 Television receivers 19848932 47667 0,479147215 762 Radio-broadcast receivers 147536 170378 92,81503803 763 Sound recorders 370045 100 0,054032879 764 Telecommunications equipment 33229808 635795 3,754812811 771 Electric power machinery 6394254 123520 3,790251089 772 Electrical apparatus 18784723 814188 8,308502447 773 Equipment for distributing electricty 25620761 11879092 63,35540569 774 Electro-diagnostic apparatus for medical purposes 172843 52955 46,90475558 775 Household electrical equipment 57289092 1279469 4,369132443 776 Thermionic, cold cathode or photo tubes 3932224 15	747 Taps, cocks, valves and similar appliances	13997580	214026	3,011988934
749 Non-electric parts and accessories of machinery 5262319 214131 $7,820065919$ 751 Office machines 312104 57 $0,036519616$ 752 Automatic data-processing machines 7242239 39966 $1,097634576$ 759 Parts and accessories 4388366 44249 $1,996518985$ 761 Television receivers 19848932 47667 $0,479147215$ 762 Radio-broadcast receivers 147536 170378 $92,81503803$ 763 Sound recorders 370045 100 $0,054032879$ 764 Telecommunications equipment 33229808 635795 $3,754812811$ 771 Electric power machinery 6394254 123520 $3,790251089$ 772 Electrical apparatus 18784723 814188 $8,308502447$ 773 Equipment for distributing electricty 25620761 11879092 $63,35540569$ 774 Electro-diagnostic apparatus for medical purposes 172843 52955 $46,90475588$ 775 Household electrical equipment 57289092 1279469 $4,369132443$ 776 Thermionic, cold cathode or photo tubes 3932224 156741 $7,666536642$ 778 Electrical machinery 3970034 2339038 $11,12792404$ 781 Motor cars & road vehicles 258732798 345107 $0,266411757$ 782 Motor vehicles for the transport of goods 53960815 1319069 $4,772329117$ 783 Road motor vehicles 1508537 246494 $28,08998815$ 786 Trailers & semitrailers 25055966 17217 $0,578756953$ <	748 Transmission shafts	4638358	407692	16,15885693
751 Office machines 312104 57 $0,036519616$ 752 Automatic data-processing machines 7242239 39966 $1,097634576$ 759 Parts and accessories 4388366 44249 $1,996518985$ 761 Television receivers 19848932 47667 $0,479147215$ 762 Radio-broadcast receivers 147536 170378 $92,81503803$ 763 Sound recorders 370045 100 $0,054032879$ 764 Telecommunications equipment 33229808 635795 $3,754812811$ 771 Electric power machinery 6394254 123520 $3,790251089$ 772 Electrical apparatus 18784723 814188 $8,308502447$ 773 Equipment for distributing electricty 25620761 11879092 $63,35540569$ 774 Electro-diagnostic apparatus for medical purposes 172843 52955 $46,90475558$ 775 Household electrical equipment 57289092 1279469 $4,369132443$ 776 Thermionic, cold cathode or photo tubes 3932224 156741 $7,666536642$ 778 Electrical machinery 39700034 2339038 $11,12792404$ 781 Motor cars & road vehicles 258732798 345107 $0,266411757$ 782 Motor vehicles for the transport of goods 53960815 1319069 $4,772329117$ 783 Road motor vehicles 1508537 246494 $28,08998815$ 786 Trailers & semitrailers 25055966 72717 $0,578756953$ 791 Railway vehicles 14670273 3399748 $37,62860043$	749 Non-electric parts and accessories of machinery	5262319	214131	7,820065919
752 Automatic data-processing machines 7242239 39966 $1,097634576$ 759 Parts and accessories 4388366 44249 $1,996518985$ 761 Television receivers 19848932 47667 $0,479147215$ 762 Radio-broadcast receivers 147536 170378 $92,81503803$ 763 Sound recorders 370045 100 $0,054032879$ 764 Telecommunications equipment 33229808 635795 $3,754812811$ 771 Electric power machinery 6394254 123520 $3,790251089$ 772 Electrical apparatus 18784723 814188 $8,308502447$ 773 Equipment for distributing electricty 25620761 11879092 $63,35540569$ 774 Electro-diagnostic apparatus for medical purposes 172843 52955 $46,90475558$ 775 Household electrical equipment 57289092 1279469 $4,369132443$ 776 Thermionic, cold cathode or photo tubes 3932224 156741 $7,666536642$ 778 Electrical machinery 39700034 2339038 $11,12792404$ 781 Motor cars & road vehicles 258732798 345107 $0,266411757$ 782 Motor vehicles for the transport of goods 53960815 1319069 $4,772329117$ 783 Road motor vehicles 1508537 24694 $28,08998815$ 786 Trailers & semitrailers 25055966 72717 $0,578756953$ 791 Railway vehicles 14670273 3399748 $37,62860043$ 792 Aircraft & associated equipment 142135 513900 <td< td=""><td>751 Office machines</td><td>312104</td><td>57</td><td>0,036519616</td></td<>	751 Office machines	312104	57	0,036519616
759Parts and accessories4388366442491,996518985761Television receivers19848932476670,479147215762Radio-broadcast receivers14753617037892,81503803763Sound recorders3700451000,054032879764Telecommunications equipment332298086357953,754812811771Electric power machinery63942541235203,790251089772Electrical apparatus187847238141888,308502447773Equipment for distributing electricty256207611187909263,35540569774Electro-diagnostic apparatus for medical purposes1728435295546,90475558775Household electrical equipment5728909212794694,369132443776Thermionic, cold cathode or photo tubes39322241567417,666536642778Electrical machinery39700034233903811,12792404781Motor cars & road vehicles2587327983451070,266411757782Motor vehicles for the transport of goods5396081513190694,772329117783Road motor vehicles150853724649428,08998815786Trailers & semitrailers25055966727170,578756953791Railway vehicles14670273339974837,62860043792Aircraft & associated equipment14213551390043,33152957793Ships, boats & floating structures934680186513<	752 Automatic data-processing machines	7242239	39966	1,097634576
761 Television receivers19848932476670,479147215 762 Radio-broadcast receivers14753617037892,81503803 763 Sound recorders3700451000,054032879 764 Telecommunications equipment332298086357953,754812811 771 Electric power machinery63942541235203,790251089 772 Electrical apparatus187847238141888,308502447 773 Equipment for distributing electricty256207611187909263,35540569 774 Electro-diagnostic apparatus for medical purposes1728435295546,90475558 775 Household electrical equipment5728909212794694,369132443 776 Thermionic, cold cathode or photo tubes39322241567417,666536642 778 Electrical machinery39700034233903811,12792404 781 Motor cars & road vehicles2587327983451070,266411757 782 Motor vehicles for the transport of goods5396081513190694,772329117 783 Road motor vehicles150853724649428,08998815 786 Trailers & semitrailers25055966727170,578756953 791 Railway vehicles14670273339974837,62860043 792 Aircraft & associated equipment14213551390043,33152957 793 Ships, boats & floating structures93468018651333 27045388	759 Parts and accessories	4388366	44249	1,996518985
762 Radio-broadcast receivers 147536 170378 $92,81503803$ 763 Sound recorders 370045 100 $0,054032879$ 764 Telecommunications equipment 33229808 635795 $3,754812811$ 771 Electric power machinery 6394254 123520 $3,790251089$ 772 Electrical apparatus 18784723 814188 $8,308502447$ 773 Equipment for distributing electricty 25620761 11879092 $63,35540569$ 774 Electro-diagnostic apparatus for medical purposes 172843 52955 $46,90475558$ 775 Household electrical equipment 57289092 1279469 $4,369132443$ 776 Thermionic, cold cathode or photo tubes 3932224 156741 $7,666536642$ 778 Electrical machinery 39700034 2339038 $11,12792404$ 781 Motor cars & road vehicles 258732798 345107 $0,266411757$ 782 Motor vehicles for the transport of goods 53960815 1319069 $4,772329117$ 783 Road motor vehicles 1508537 246494 $28,08998815$ 786 Trailers & semitrailers 25055966 72717 $0,578756533$ 791 Railway vehicles 14670273 3399748 $37,62860043$ 792 Aircraft & associated equipment 142135 513900 $43,33152957$ 793 Ships, boats & floating structures 934680 186513 3327045388	761 Television receivers	19848932	47667	0,479147215
763Sound recorders 370045 100 $0,054032879$ 764Telecommunications equipment 33229808 635795 $3,754812811$ 771Electric power machinery 6394254 123520 $3,790251089$ 772Electrical apparatus 18784723 814188 $8,308502447$ 773Equipment for distributing electricty 25620761 11879092 $63,35540569$ 774Electro-diagnostic apparatus for medical purposes 172843 52955 $46,90475558$ 775Household electrical equipment 57289092 1279469 $4,369132443$ 776Thermionic, cold cathode or photo tubes 3932224 156741 $7,666536642$ 778Electrical machinery 39700034 2339038 $11,12792404$ 781Motor cars & road vehicles 258732798 345107 $0,266411757$ 782Motor vehicles for the transport of goods 53960815 1319069 $4,772329117$ 783Road motor vehicles 33384782 44704 $0,267452512$ 784Parts & accessories for 722, 781m 782 & 783 203638456 1781890 $1,734871968$ 785Motorcycles 1508537 246494 $28,08998815$ 786Trailers & semitrailers 25055966 72717 $0,578756533$ 791Railway vehicles 14670273 3399748 $37,62860043$ 792Aircraft & associated equipment 142135 513900 $43,33152957$ 793Ships, boats & floating structures 934680 <	762 Radio-broadcast receivers	147536	170378	92,81503803
764 Telecommunications equipment 33229808 635795 $3,754812811$ 771 Electric power machinery 6394254 123520 $3,790251089$ 772 Electrical apparatus 18784723 814188 $8,308502447$ 773 Equipment for distributing electricty 25620761 11879092 $63,35540569$ 774 Electro-diagnostic apparatus for medical purposes 172843 52955 $46,90475558$ 775 Household electrical equipment 57289092 1279469 $4,369132443$ 776 Thermionic, cold cathode or photo tubes 3932224 156741 $7,666536642$ 778 Electrical machinery 39700034 2339038 $11,12792404$ 781 Motor cars & road vehicles 258732798 345107 $0,266411757$ 782 Motor vehicles for the transport of goods 53960815 1319069 $4,772329117$ 783 Road motor vehicles 33384782 44704 $0,267452512$ 784 Parts & accessories for 722, 781m 782 & 783 203638456 1781890 $1,734871968$ 785 Motorcycles 1508537 246494 $28,08998815$ 786 Trailers & semitrailers 25055966 72717 $0,578756533$ 791 Railway vehicles 142135 513900 $43,33152957$ 793 Ships, boats & floating structures 934680 186513 3327045384	763 Sound recorders	370045	100	0,054032879
771 Electric power machinery 6394254 123520 $3,790251089$ 772 Electrical apparatus 18784723 814188 $8,308502447$ 773 Equipment for distributing electricty 25620761 11879092 $63,35540569$ 774 Electro-diagnostic apparatus for medical purposes 172843 52955 $46,90475558$ 775 Household electrical equipment 57289092 1279469 $4,369132443$ 776 Thermionic, cold cathode or photo tubes 3932224 156741 $7,666536642$ 778 Electrical machinery 39700034 2339038 $11,12792404$ 781 Motor cars & road vehicles 258732798 345107 $0,266411757$ 782 Motor vehicles for the transport of goods 53960815 1319069 $4,772329117$ 783 Road motor vehicles 33384782 44704 $0,267452512$ 784 Parts & accessories for 722, 781m 782 & 783 203638456 1781890 $1,734871968$ 785 Motorcycles 1508537 246494 $28,08998815$ 786 Trailers & semitrailers 25055966 72717 $0,578756533$ 791 Railway vehicles 142135 513900 $43,33152957$ 793 Ships, boats & floating structures 934680 186513 337045384	764 Telecommunications equipment	33229808	635795	3,754812811
772 Electrical apparatus 18784723 814188 8,308502447 773 Equipment for distributing electricty 25620761 11879092 63,35540569 774 Electro-diagnostic apparatus for medical purposes 172843 52955 46,90475558 775 Household electrical equipment 57289092 1279469 4,369132443 776 Thermionic, cold cathode or photo tubes 3932224 156741 7,666536642 778 Electrical machinery 39700034 2339038 11,12792404 781 Motor cars & road vehicles 258732798 345107 0,266411757 782 Motor vehicles for the transport of goods 53960815 1319069 4,772329117 783 Road motor vehicles 33384782 44704 0,267452512 784 Parts & accessories for 722, 781m 782 & 783 203638456 1781890 1,734871968 785 Motorcycles 1508537 246494 28,08998815 786 Trailers & semitrailers 25055966 72717 0,578756953 791 Railway vehicles 14670273 3399748 37,62860043 <tr< td=""><td>771 Electric power machinery</td><td>6394254</td><td>123520</td><td>3,790251089</td></tr<>	771 Electric power machinery	6394254	123520	3,790251089
773Equipment for distributing electricty 25620761 11879092 $63,35540569$ 774Electro-diagnostic apparatus for medical purposes 172843 52955 $46,90475558$ 775Household electrical equipment 57289092 1279469 $4,369132443$ 776Thermionic, cold cathode or photo tubes 3932224 156741 $7,666536642$ 778Electrical machinery 39700034 2339038 $11,12792404$ 781Motor cars & road vehicles 258732798 345107 $0,266411757$ 782Motor vehicles for the transport of goods 53960815 1319069 $4,772329117$ 783Road motor vehicles 33384782 44704 $0,267452512$ 784Parts & accessories for 722, 781m 782 & 783 203638456 1781890 $1,734871968$ 785Motorcycles 1508537 246494 $28,08998815$ 786Trailers & semitrailers 25055966 72717 $0,578756953$ 791Railway vehicles 142735 513900 $43,33152957$ 793Ships, boats & floating structures 934680 186513 3327045384	772 Electrical apparatus	18784723	814188	8,308502447
774Electro-diagnostic apparatus for medical purposes 172843 52955 $46,90475558$ 775Household electrical equipment 57289092 1279469 $4,369132443$ 776Thermionic, cold cathode or photo tubes 3932224 156741 $7,666536642$ 778Electrical machinery 39700034 2339038 $11,12792404$ 781Motor cars & road vehicles 258732798 345107 $0,266411757$ 782Motor vehicles for the transport of goods 53960815 1319069 $4,772329117$ 783Road motor vehicles 33384782 44704 $0,267452512$ 784Parts & accessories for 722, 781m782 & 783 203638456 1781890 $1,734871968$ 785Motorcycles 1508537 246494 $28,08998815$ 786Trailers & semitrailers 25055966 72717 $0,578756953$ 791Railway vehicles 14670273 3399748 $37,62860043$ 792Aircraft & associated equipment 142135 513900 $43,33152957$ 793Ships, boats & floating structures 934680 186513 3327045384	773 Equipment for distributing electricity	25620761	11879092	63,35540569
775Household electrical equipment 57289092 1279469 $4,369132443$ 776Thermionic, cold cathode or photo tubes 3932224 156741 $7,666536642$ 778Electrical machinery 39700034 2339038 $11,12792404$ 781Motor cars & road vehicles 258732798 345107 $0,266411757$ 782Motor vehicles for the transport of goods 53960815 1319069 $4,772329117$ 783Road motor vehicles 33384782 44704 $0,267452512$ 784Parts & accessories for 722, 781m782 & 783 203638456 1781890 $1,734871968$ 785Motorcycles 1508537 246494 $28,08998815$ 786Trailers & semitrailers 25055966 72717 $0,578756953$ 791Railway vehicles 14670273 3399748 $37,62860043$ 792Aircraft & associated equipment 142135 513900 $43,33152957$ 793Ships, boats & floating structures 934680 186513 3327045388	774 Electro-diagnostic apparatus for medical purposes	172843	52955	46.90475558
776 Thermionic, cold cathode or photo tubes 3932224 156741 7,666536642 778 Electrical machinery 39700034 2339038 11,12792404 781 Motor cars & road vehicles 258732798 345107 0,266411757 782 Motor vehicles for the transport of goods 53960815 1319069 4,772329117 783 Road motor vehicles 33384782 44704 0,267452512 784 Parts & accessories for 722, 781m 782 & 783 203638456 1781890 1,734871968 785 Motorcycles 1508537 246494 28,08998815 786 Trailers & semitrailers 25055966 72717 0,578756953 791 Railway vehicles 14670273 3399748 37,62860043 792 Aircraft & associated equipment 142135 513900 43,33152957 793 Ships, boats & floating structures 934680 186513 33,27045388	775 Household electrical equipment	57289092	1279469	4,369132443
778 Electrical machinery 39700034 2339038 11,12792404 781 Motor cars & road vehicles 258732798 345107 0,266411757 782 Motor vehicles for the transport of goods 53960815 1319069 4,772329117 783 Road motor vehicles 33384782 44704 0,267452512 784 Parts & accessories for 722, 781m 782 & 783 203638456 1781890 1,734871968 785 Motorcycles 1508537 246494 28,08998815 786 Trailers & semitrailers 25055966 72717 0,578756953 791 Railway vehicles 14670273 3399748 37,62860043 792 Aircraft & associated equipment 142135 513900 43,33152957 793 Ships, boats & floating structures 934680 186513 33 27045388	776 Thermionic, cold cathode or photo tubes	3932224	156741	7.666536642
781 Motor cars & road vehicles 258732798 345107 0,266411757 782 Motor vehicles for the transport of goods 53960815 1319069 4,772329117 783 Road motor vehicles 33384782 44704 0,267452512 784 Parts & accessories for 722, 781m 782 & 783 203638456 1781890 1,734871968 785 Motorcycles 1508537 246494 28,08998815 786 Trailers & semitrailers 25055966 72717 0,578756953 791 Railway vehicles 14670273 3399748 37,62860043 792 Aircraft & associated equipment 142135 513900 43,33152957 793 Ships, boats & floating structures 934680 186513 33 27045388	778 Electrical machinery	39700034	2339038	11.12792404
782 Motor vehicles for the transport of goods 53960815 1319069 4,772329117 783 Road motor vehicles 33384782 44704 0,267452512 784 Parts & accessories for 722, 781m 782 & 783 203638456 1781890 1,734871968 785 Motor vehicles 1508537 246494 28,08998815 786 Trailers & semitrailers 25055966 72717 0,578756953 791 Railway vehicles 14670273 3399748 37,62860043 792 Aircraft & associated equipment 142135 513900 43,33152957 793 Ships, boats & floating structures 934680 186513 33 27045388	781 Motor cars & road vehicles	258732798	345107	0.266411757
783 Road motor vehicles 33384782 44704 0,267452512 784 Parts & accessories for 722, 781m 782 & 783 203638456 1781890 1,734871968 785 Motorcycles 1505537 246494 28,08998815 786 Trailers & semitrailers 25055966 72717 0,578756953 791 Railway vehicles 14670273 3399748 37,62860043 792 Aircraft & associated equipment 142135 513900 43,33152957 793 Ships, boats & floating structures 934680 186513 33 27045388	782 Motor vehicles for the transport of goods	53960815	1319069	4.772329117
784 Parts & accessories for 722, 781m 782 & 783 203638456 1781890 1,734871968 785 Motorcycles 1508537 246494 28,08998815 786 Trailers 25055966 72717 0,578756953 791 Railway vehicles 14670273 3399748 37,62860043 792 Aircraft & associated equipment 142135 513900 43,33152957 793 Ships boats & floating structures 934680 186513 33 27045388	783 Road motor vehicles	33384782	44704	0.267452512
785 Motorcycles 1508537 246494 28,08998815 786 Trailers & semitrailers 25055966 72717 0,578756953 791 Railway vehicles 14670273 3399748 37,62860043 792 Aircraft & associated equipment 142135 513900 43,33152957 793 Ships, boats & floating structures 934680 186513 33 27045388	784 Parts & accessories for 722 781m 782 & 783	203638456	1781890	1,734871968
786 Trailers & semitrailers 2505096 72717 0,578756953 791 Railway vehicles 14670273 3399748 37,62860043 792 Aircraft & associated equipment 142135 513900 43,33152957 793 Ships boats & floating structures 934680 186513 33 27045388	785 Motorcycles	1508537	246494	28,08998815
791 Railway vehicles 12600000 7111 0,070700000 792 Aircraft & associated equipment 14670273 3399748 37,62860043 792 Aircraft & associated equipment 142135 513900 43,33152957 793 Shins, boats & floating structures 934680 186513 33 27045388	786 Trailers & semitrailers	25055966	72717	0.578756953
792 Aircraft & associated equipment 14010215 555746 37,0200045 792 Aircraft & associated equipment 142135 513900 43,33152957 793 Shins boats & floating structures 934680 186513 33 27045388	791 Bailway vehicles	1/670273	33997/8	37 628600/3
793 Ships boats & floating structures 934680 186513 33 27045388	792 Aircraft & associated equipment	142135	513900	43 33152957
	793 Ships boats & floating structures	934680	186513	33 27045388

Annex 1.

Стаття надійшла до редакції 16.05.2013.