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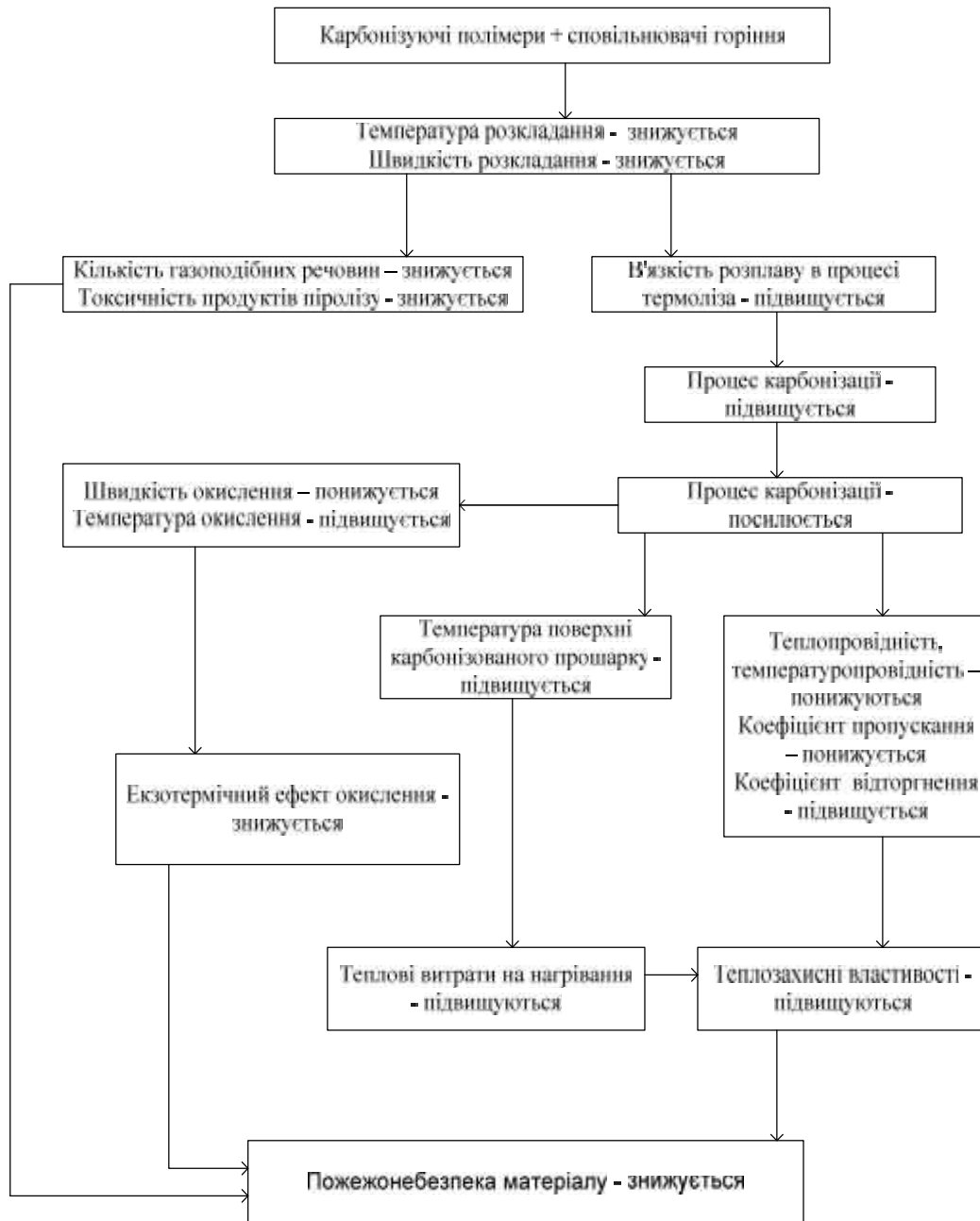
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 496 .

17.12.2012

DECLINE OF COMBUSTIBILITY OF TEXTILE MATERIALS — DECISION OF PROBLEMS ECOLOGICAL AND SOCIO-ECONOMIC

L.V. Khatkovaya, V.G/. Dagil

The wide use of new polymeric materials in the last few years caused substantial changes of descriptions of processes arising up at a fire high-quality and quantitative. The problem of creation of new matters and compositions lowering the combustibility of polymeric materials and possessing small toxic and low dimoobrazuyushey ability remains extremely actual, thus the requirements to zamedlitelyam of burning become tougher. Research of conformities to the law of termookislitelnoy destruction of polymeric materials, including geterotsepnih termoplastichnih voloknoobrazuyushih polymers, in presence fosforsodergashih zamedliteley of burning and ognezamedlyayushih compositions allowed to develop the paths of adjusting of chemical transformations at thermolysis and burning of polymers. The conducted researches allowed to expose conformities to the law of decline of pogaropasnosti polymers as a result of treatment by their zamedlitelyami of burning.

Keywords: moderator-coolants of burning, heat-resistant fibres, polymeric materials.