

Title (en)  
CARBAMOYLOXYALKYL PHOSPHINIC ACID DERIVATIVES, PROCESS FOR THEIR PREPARATION AND THEIR USE IN THE PREPARATION OF FLAME-RETARDANT FINISHED MATERIALS

Publication  
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Application  
**EP 78100073 A 19780601**

Priority  
CH 719277 A 19770610

Abstract (en)  
[origin: US4173601A] Carbamoyl-oxyalkyl-phosphinic acid derivatives or mixtures thereof of the formula <IMAGE> I in which Zn is an n-valent, saturated C1-C6-hydrocarbon group, R1 is an optionally branched C1-C6-alkyl group, which group may be substituted by a halogen atom, or a phenyl group, R2 is an optionally branched C2-C7-alkylene group, a is zero to n-1 and n is an integer of from 1 to 4. These compounds can be prepared by reacting phosphonites of the formula II <IMAGE> II in the presence of radical-forming agents, with a carbamate of the formula III CH<sub>2</sub>=R<sub>3</sub>-O-CO-NH<sub>2</sub>III in which R<sub>3</sub> is an optionally branched C2-C7-alkylene group and is identical with the radical R<sub>2</sub> containing one hydrogen atom less. The compounds are used as flame-retardants for textiles.

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