

Title (en)
CROSS-LINKING OF HYDROGELS WITH PHOSPHORIC ACID ESTERS

Title (de)
VERNETZUNG VON HYDROGELEN MIT PHOSPHORSÄUREESTERN

Title (fr)
RETICULATION D'HYDROGELS AVEC DES ESTERS PHOSPHORIQUES

Publication
EP 1056788 A1 20001206 (DE)

Application
EP 99911687 A 19990219

Priority
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• EP 9901086 W 19990219

Abstract (en)
[origin: DE19807500C1] Surface cure of water-absorbing polymers comprises treating the polymers with a surface curing solution comprising crosslinking agents comprising phosphoric esters and curing and drying by heating during or after treatment. Surface cure of water-absorbing polymers comprises treating the polymers with a surface curing solution comprising crosslinking agents and curing and drying by heating during or after treatment. The crosslinking agent comprises mono(hydroxy- or amino-alkyl) or cyclic phosphoric ester(s) (I) of formula (IA) or (IB), dissolved in an inert solvent; X = hydroxyl (OH) or amino (NH₂); R = 1-12C alkylene. An Independent claim is also included for water-absorbing polymers produced in this way.

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C08F 8/40; A61L 15/00

IPC 8 full level
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