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(54) Title: IN-SITU METHODS OF GENERATING WATER THROUGH THE DEHYDRATION OF METAL SALT HYDRATES FOR MOISTURE CROSSLINKING OF POLYOLEFINS

(57) Abstract: Compositions comprising a polymer resin comprising at least one copolymer with hydrolysable groups, a water-generating metal salt hydrate, and a catalyst that comprises a metal atom and at least two ligands taken from the set alkyloxy and carboxylate are used to form articles that moisture-cure through in-situ generation of water via dehydration of the metal hydrate. The compositions are melt mixed to promote the dehydration and start the cure process during the mixing step. The curing compositions are formed and allowed to harden.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C08K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 298 169 A (THREE BOND CO LTD [JP]) 2 April 2003 (2003-04-02) the whole document	1-20
X	WO 2005/082989 A (CLARIANT INT LTD [CH]; KROEHNKE CHRISTOPH [DE]; MALIK JAN [FR]; STANIE) 9 September 2005 (2005-09-09) the whole document	1-20
A	US 4 594 382 A (HOENIG STEPHEN M [US] ET AL) 10 June 1986 (1986-06-10) the whole document	1-20



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INTERNATIONAL SEARCH REPORT

Information on patent family members

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