

Title (en)

MELAMINE-FORMALDEHYDE RESIN SOLUTION AND PROCESS FOR PRODUCING THE SAME

Title (de)

MELAMIN-FORMALDEHYD HARZLÖSUNG UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

SOLUTION DE RESINE DE MELAMINE-FORMALDEHYDE ET PROCEDE DE PRODUCTION DE CETTE SOLUTION

Publication

EP 1879935 A1 20080123 (DE)

Application

EP 06753547 A 20060510

Priority

- EP 2006004379 W 20060510
- DE 102005022228 A 20050510

Abstract (en)

[origin: WO2006119982A1] A melamine-formaldehyde resin solution has a formaldehyde/melamine ratio smaller than or equal to 1.5, at which it possesses a water compatibility ranging from 0.15 to 4.0 at 20 °C, and a stability of at least 5 hours at a F/M ratio of 1.0, a stability of at least 6 hours at a F/M ratio of 1.1, a stability of at least 13 hours at a F/M ratio of 1.2, a stability of at least 24 hours at a F/M ratio of 1.3, a stability of at least 50 hours at a F/M ratio of 1.4, and a stability of at least 200 hours at a F/M ratio of 1.5, the stability of the resin solution being linearly dependent, within the range boundaries $1.0 < F/M < 1.1$, $1.1 < F/M < 1.2$, $1.2 < F/M < 1.3$, $1.3 < F/M < 1.4$, $1.4 < F/M < 1.5$, upon the stabilities of the corresponding F/M range boundaries. While having a low formaldehyde content, the melamine-formaldehyde resin solution has adequate storage stability and water compatibility, and can be easily produced without the admixture of modifiers.

IPC 8 full level

C08G 12/32 (2006.01)

CPC (source: EP KR US)

C08G 12/00 (2013.01 - KR); **C08G 12/32** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2006119982A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006119982 A1 20061116; AU 2006245964 A1 20061116; BR PI0609907 A2 20100511; CA 2606573 A1 20061116; CN 101175782 A 20080507; DE 102005022228 A1 20061123; EP 1879935 A1 20080123; JP 2008540748 A 20081120; KR 20080016619 A 20080221; NO 20076316 L 20071207; RU 2007141286 A 20090620; US 2009099323 A1 20090416

DOCDB simple family (application)

EP 2006004379 W 20060510; AU 2006245964 A 20060510; BR PI0609907 A 20060510; CA 2606573 A 20060510; CN 200680016350 A 20060510; DE 102005022228 A 20050510; EP 06753547 A 20060510; JP 2008510492 A 20060510; KR 20077028647 A 20071207; NO 20076316 A 20071207; RU 2007141286 A 20060510; US 92003506 A 20060510