

Title (en)

METHOD FOR THE REDUCTION OF FORMALDEHYDE EMISSIONS IN WOOD MATERIALS

Title (de)

VERFAHREN ZUR REDUKTION DER FORMALDEHYDEMISSION BEI HOLZWERKSTOFFEN

Title (fr)

PROCÉDÉ POUR LIMITER L'ÉMISSION DE FORMALDÉHYDE DANS DES MATÉRIAUX DE CONSTRUCTION EN BOIS

Publication

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Application

EP 07703814 A 20070112

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Abstract (en)

[origin: WO2007082837A1] The invention relates to a method for reducing the emission of formaldehyde in wood materials by applying nitrogen-containing compounds. Said method is characterized in that (i) a mixture containing at least one polyamine and optionally up to 20 percent by weight of urea relative to the mixture is applied to the wood material; (ii) polyamine is applied onto or into the chip cake or fiber cake; (iii) polyamine is applied to the coating substrate used for finishing the surface; and/or (iv) polyamine is applied to the exposed points. The polyamines have a minimum molecular weight of 500 g/mol while being provided with at least 6 primary or secondary amino groups.

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Citation (search report)

See references of WO 2007082837A1

Citation (examination)

- WO 9315888 A1 19930819 - WEYERHAEUSER CO [US]
- HÖLTER D ET AL: "Degree of branching in hyperbranched polymers", ACTA POLYMERICA, VCH, WEINHEIM, DE, vol. 48, 1 February 1997 (1997-02-01), pages 30 - 35, XP002658579, ISSN: 0323-7648, [retrieved on 20030311], DOI: DOI:10.1002/ACTP.1997.010480105

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