

Title (en)

Impregnate and process for the production of the same

Title (de)

Imprägnat und Verfahren zur Herstellung des Imprägnates

Title (fr)

Imprégné et procédé pour sa production

Publication

EP 1634995 B2 20130821 (DE)

Application

EP 05019549 A 20050908

Priority

DE 102004043355 A 20040908

Abstract (en)

[origin: EP1634995A1] An impregnate (1) comprising aminoplastic resin-filled base paper (2), an abrasion-resistant layer (3) of corundum particles (6) and aminoplastic resin (APR), and a covering layer of APR (4), in which cellulose particles (7, 8) are incorporated in layer (3) and in the APR of layer (4). Independent claims are also included for (1) a method (M1) for the production of (1) by adding cellulose particles (7) to the mixture for layer (3) and coating the mixture onto the base paper (2) with a roller applicator (2) a similar method (M2) in which the mixture is applied with a nozzle applicator (3) a similar method (M3) in which cellulose particles (8) are added to the APR for layer (4) and the mixture is applied with a wire applicator .

IPC 8 full level

D21H 27/26 (2006.01); **B44C 5/04** (2006.01); **D21H 23/50** (2006.01); **D21H 23/56** (2006.01); **D21H 27/28** (2006.01)

CPC (source: EP)

B44C 5/0476 (2013.01); **D21H 23/50** (2013.01); **D21H 23/56** (2013.01); **D21H 27/26** (2013.01); **D21H 27/28** (2013.01)

Citation (opposition)

Opponent :

- WO 0192037 A2 20011206 - AKZO NOBEL NV [NL], et al
- AT 52115 B 19120210 - KREBS PHILIPP
- DE 629426 C 19360430 - AEG
- DE 19604907 A1 19970814 - MEAD CORP [US]
- DE 69415970 T2 19990812 - INT PAPER CO [US]
- DE 102004043355 B4 20060921 - KRONOTEC AG [CH]
- EP 0732449 A1 19960918 - GRAUDENZ & PARTNER CONSULTATIO [DE]
- DE 2923608 A1 19800522 - NEVAMAR CORP
- DE 19725829 C1 19980806 - LS INDUSTRIELACKE GMBH BUERO L [DE]

Cited by

EP1923211A1; US10246829B2; EP2230095A1; EP2090696A1; CN102245396A; EP2189282A1; RU2712611C2; EP2090695A1; EP2314381A1; WO2016207072A1; WO2008061791A1; WO2007042258A1; US8865267B2; US10406558B2; US10011952B2; WO2010075922A1

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EP 1634995 A1 20060315; EP 1634995 B1 20090422; EP 1634995 B2 20130821; AT E429542 T1 20090515; DE 102004043355 A1 20060323; DE 102004043355 B4 20060921; DE 502005007127 D1 20090604; ES 2324790 T3 20090814; ES 2324790 T5 20131030; PL 1634995 T3 20090831; PL 1634995 T5 20131231

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