Title (en)
SCOURING MATERIAL

Title (de)
SCHEUERLAPPEN

Title (fr)
MATERIEL A RECURER

Publication
EP 1618239 B1 20070815 (EN)

Application
EP 04760227 A 20040402

Priority
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Abstract (en)
[origin: WO2004097095A1] A scouring material comprises a three-dimensional non-woven web of entangled fibres bonded to one another at their mutual contact points by a pre-bond resin and a plurality of abrasive particles are adhered to the fibres of the bonded web by a make-coat resin. A majority by weight of the fibres comprise natural fibres and the bonded web has a maximum density of 50 kg/m<3>. A method of making a scouring material comprises the steps of: 1) forming a three-dimensional nonwoven web of natural fibres contacted with dry particulate material that includes fusible binder particles, 2) exposing the web to conditions that cause the binder particles to form a flowable liquid binder, and then solidifying the liquid binder to form bonds between the fibres of the web and thereby provide a pre-bonded web and 3) applying abrasive particles to the pre-bonded web and bonding the abrasive particles to the fibres of the pre-bonded web by at least a make-coat resin to provide the scouring material.

IPC 8 full level
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CPC (source: EP KR)
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Cited by
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