

Title (en)

A RECYCLABLE SHEET MATERIAL AND A CONTAINER THEREOF

Title (de)

RECYCLINGFÄHIGES BLATTMATERIAL UND BEHÄLTER DAFÜR

Title (fr)

FEUILLE RECYCLABLE ET RÉCIPIENT FABRIQUÉ AVEC CETTE DERNIÈRE

Publication

**EP 2870288 A2 20150513 (EN)**

Application

**EP 13733228 A 20130702**

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- EP 13733228 A 20130702

Abstract (en)

[origin: WO2014005697A2] The present invention relates to a recyclable sheet material and a container, preferably cup, formed of such recyclable sheet material comprising 1a) a paper board coated with a water barrier coating on at least one of its uncoated surfaces having a smoothness of equal or less than 500 ml/min according to Bendtsen ISO 8791-2 or 1b) a paper board which is coated on at least one of its uncoated surfaces with a first surface coating comprising at least one mineral pigment and at least one polymeric binder, preferably with polar groups, said coated surface having a smoothness of 100 ml/min or less according to Bendtsen ISO 8791-2 and on top of said first surface coating a water barrier coating, wherein said water barrier coatings being based on at least one polymer having a melting point of at least 120 °C is applied in an amount of providing a COBB value of the water barrier coated paper board of equal or less 8 g/m<sup>2</sup> per 600 sec and a surface energy equal or greater 38 mJ/m<sup>2</sup> at 20 °C (test liquid:water) and 2) optionally a sealable coating based on at least on polymer with polar groups.

IPC 8 full level

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Citation (search report)

See references of WO 2014005697A2

Cited by

US11718059B2

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