

Title (en)
RIGID SHEET AND PROCESS FOR MANUFACTURING RIGID SHEET

Title (de)
STARRE FOLIE UND VERFAHREN ZUR HERSTELLUNG DER STARREN FOLIE

Title (fr)
FEUILLE RIGIDE ET PROCÉDÉ POUR LA FABRICATION DE FEUILLE RIGIDE

Publication
EP 2957672 A4 20160727 (EN)

Application
EP 14752242 A 20140205

Priority
• JP 2013024525 A 20130212
• JP 2014000616 W 20140205

Abstract (en)
[origin: EP2957672A1] Provided is a hard sheet including a non-woven fabric of ultrafine fibers and elastic polymer added into the non-woven fabric. JIS-D hardness of the sheet is 45 degrees or more. R% thereof calculated by $R(\%) = (D \text{ hardness maximum} - D \text{ hardness minimum}) / D \text{ hardness average} \times 100$ is 0 to 20%, when a sectional surface of the sheet extending in the thickness direction thereof is evenly divided into three parts corresponding to a first outer layer, an intermediate layer, and a second outer layer in order from any one surface side of the sheet; JIS-D hardness measurements are made at six points being three arbitrary points each on the first outer layer and on the intermediate layer; and then the JIS-D hardnesses obtained are used for the calculation. In the sheet, the total content of ions capable of changing the pH of water is 400 $\mu\text{g}/\text{cm}^3$ or less.

IPC 8 full level
D06N 3/00 (2006.01); **B24B 37/24** (2012.01); **C08J 5/14** (2006.01); **D04H 1/4382** (2012.01); **H01L 21/304** (2006.01)

CPC (source: EP US)
B24B 37/22 (2013.01 - EP US); **B24B 37/24** (2013.01 - EP US); **D04H 1/4383** (2020.05 - EP US); **D04H 1/43838** (2020.05 - EP US); **D06M 15/564** (2013.01 - US); **D06N 3/0004** (2013.01 - EP US); **D06N 3/0011** (2013.01 - EP US); **D06N 3/14** (2013.01 - EP US); **D06M 2200/35** (2013.01 - US); **D06N 2211/08** (2013.01 - EP US)

Citation (search report)
• [Y] JP 2009241184 A 20091022 - KURARAY CO
• [YD] JP 2011200984 A 20111013 - TORAY INDUSTRIES
• [Y] KR 100943244 B1 20100218
• See references of WO 2014125797A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
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EP 14752242 A 20140205; CN 201480007963 A 20140205; JP 2014000616 W 20140205; JP 2015500137 A 20140205; KR 20157023576 A 20140205; TW 103104189 A 20140210; US 201414767115 A 20140205