

Title (en)  
A METHOD FOR MANUFACTURING PAPER COMPRISING BLEACHED CHEMITHERMO-MECHANICAL PULP SUITABLE FOR A RELEASE LINER AND PRODUCTS AND USES THEREOF

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON PAPIER MIT GEBLEICHTEM CHEMITHERMOMECHANISCHEM, FÜR EINE TRENNSCHICHT GEEIGNETEN ZELLSTOFF UND PRODUKTE UND VERWENDUNG DAVON

Title (fr)  
PROCÉDÉ DE FABRICATION DE PAPIER COMPRENANT DE LA PÂTE À PAPIER BLANCHIE DE MANIÈRE CHIMIQUE, THERMIQUE ET MÉCANIQUE CONVENANT À UNE DOUBLURE DE LIBÉRATION ET PRODUITS ET UTILISATIONS ASSOCIÉS

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Application  
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Abstract (en)  
[origin: EP3059344A1] The invention relates to paper and method for manufacturing paper suitable for use as a layer of a release liner, the paper having density equal to or less than 1200 kg/m<sup>3</sup>, the paper having a ratio of grammage to thickness of the paper in micrometres equal to or higher than 1.0, wherein the grammage refers to the weight of the paper in grams per square meter, the paper comprising cellulose fibres from - bleached chemical pulp and - bleached chemithermomechanical pulp, wherein the bleached chemithermomechanical pulp comprises cellulose fibres from hardwood and softwood.

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Opponent : Ahlstrom-Munksjö Italia S.p.A.  
• US 2008160273 A1 20080703 - WIECK ANDREAS [DE], et al  
• US 6436238 B1 20020820 - PITKAENEN MAIJA [FI], et al  
• US 6391154 B1 20020521 - NYGAARD STINA [FI], et al  
• WO 2013188739 A1 20131219 - UNIV MAINE SYS BOARD TRUSTEES [US], et al  
• US 2006191654 A1 20060831 - THEISEN JOHN [US], et al  
• WO 2015167440 A1 20151105 - HEWLETT PACKARD DEVELOPMENT CO [US]  
• US 2009032207 A1 20090205 - LAURILA-LUMME AULI [FI], et al  
• JP H111897 A 19990106 - OJI PAPER CO  
• JP 2009203561 A 20090910 - OJI PAPER CO  
• JP H0760905 A 19950307 - NEW OJI PAPER CO LTD  
• US 4759816 A 19880726 - KASPER KLAUS B [US], et al  
• JP 2000212898 A 20000802 - OJI PAPER CO  
• US 2005011608 A1 20050120 - SCHLIEPHACKE RALF [DE], et al  
• US 2003187170 A1 20031002 - BURMEISTER AXEL [DE]  
• US 2003049409 A1 20030313 - WIECK ANDREAS [DE]  
• US 7399509 B2 20080715 - VIRTANEN KARI [US]  
• WO 2014091071 A1 20140619 - MUNKSJÖ OYJ [FI]  
• US 5318815 A 19940607 - NEWING CHARLES W [US], et al  
• MILLAR WESTERN, HI FREENESS BLENDS APP/BCTMP, 1997  
• MILLAR WESTERN, BLENDED APP/BCTMP, 1999  
• ROTTNEROS, CHEMITHERMOMECHANICAL PULP (CTMP, 2002  
• 29 August 2015 (2015-08-29), Retrieved from the Internet <URL:http://cameo.mfa.org/wiki/glassine>  
• "High Bulk CMP for Multilayer Boards", SICEM SAGA NEWS, 3 November 2015 (2015-11-03), XP055521654  
• MICHAEL KOURIS: "Dictionary of Paper", 1996, article "Dictionary of Paper", pages: 8, 25, 30, 61, 144, - 145, 154, 240, 241, 282,302,310, XP055521658  
• HERBERT HOLIK: "Handbook of Paper and Board", 2013, article "Fibrous materials for paper and board manufacture", pages: 33,34,47 - 59, XP055521662  
• LIU, H. ET AL.: "(2012). Increasing the use of high-yield pulp in coated high-quality wood-free papers: From laboratory demonstration to mill trials.", INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol. 51, no. 11, 21 March 2012 (2012-03-21), pages 4240 - 4246, XP055583696

Cited by  
WO2023242478A1; CN112593453A; DE102018118271A1; EP4293159A1; US2022380980A1; US11879213B2; WO2020020503A1

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