

Title (en)
PROCESS FOR PRODUCING SUPER HIGH BULK, LIGHT WEIGHT COATED PAPERS

Title (de)
VERFAHREN ZUR HERSTELLUNG VON SUPERDICKGRIFFIGEN LWC-PAPIEREN

Title (fr)
PROCEDE DE PRODUCTION DE PAPIERS COUCHES LEGERS ET TRES BOUFFANTS

Publication
EP 1565614 B1 20070704 (EN)

Application
EP 03811840 A 20031125

Priority
• IB 0305385 W 20031125
• US 42918002 P 20021126

Abstract (en)
[origin: US2004099391A1] The present invention relates to a process of manufacturing a high bulk, low weight paper product produced by using a high level of groundwood containing sheet, blade coating with specifically formulated coatings then passing the paper web between two extended-nip calenders, one calender for each side of paper. As a result, densification of the resulting coated paper product is reduced, while maintaining stiffness and opacity comparable to heavier weight sheets.

IPC 8 full level
D21H 23/34 (2006.01); **D21H 19/42** (2006.01); **D21H 25/12** (2006.01)

CPC (source: EP KR US)
D21H 19/00 (2013.01 - KR); **D21H 19/36** (2013.01 - KR); **D21H 19/42** (2013.01 - EP US); **D21H 19/52** (2013.01 - KR);
D21H 23/34 (2013.01 - EP KR US); **D21H 25/12** (2013.01 - EP US)

Cited by
US11376879B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2004099391 A1 20040527; AT E366338 T1 20070715; AU 2003302443 A1 20040618; AU 2003302443 A8 20040618;
CA 2503966 A1 20040610; CA 2503966 C 20111018; CN 1723317 A 20060118; DE 60314771 D1 20070816; DE 60314771 T2 20080306;
EP 1565614 A2 20050824; EP 1565614 B1 20070704; JP 2006507420 A 20060302; KR 20050086818 A 20050830;
WO 2004048692 A2 20040610; WO 2004048692 A3 20040729

DOCDB simple family (application)
US 61805303 A 20030710; AT 03811840 T 20031125; AU 2003302443 A 20031125; CA 2503966 A 20031125; CN 200380104201 A 20031125;
DE 60314771 T 20031125; EP 03811840 A 20031125; IB 0305385 W 20031125; JP 2004554833 A 20031125; KR 20057009425 A 20050525