

Title (en)

Calender for smoothing a paper web

Title (de)

Kalander zum Glätten einer Papierbahn

Title (fr)

Calandre destinée à lisser une bande de papier

Publication

EP 2270279 B1 20120118 (DE)

Application

EP 09008506 A 20090630

Priority

EP 09008506 A 20090630

Abstract (en)

[origin: EP2270279A1] The calendar (1) has a roller stack with an upper end roller (4.1), a lower end roller (4.2) and intermediate rollers (5.1-5.4), where the upper end roller limits a working gap (3) of the stack based on guide of a paper web (2). The upper end roller is a hard, heatable roller with a diameter greater than a diameter of the hard, heatable intermediate rollers (5.2, 5.4). An outer wall of the upper end roller forms a contact surface (9) of a web treatment gap (8) arranged upstream of the working gap, and forms another contact surface (10) by a belt (14) circulating on guide rollers (11-13).

IPC 8 full level

D21G 1/00 (2006.01)

CPC (source: EP US)

D21G 1/00 (2013.01 - EP US); **D21G 1/006** (2013.01 - EP US)

Cited by

DE102015200380A1; WO2016113040A1

Designated contracting state (EPC)

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 SE SI SK TR

DOCDB simple family (publication)

EP 2270279 A1 20110105; EP 2270279 B1 20120118; AT E541987 T1 20120215; CA 2765128 A1 20110106; CN 102713058 A 20121003; JP 2012531536 A 20121210; PL 2270279 T3 20120629; US 2012103552 A1 20120503; US 8440054 B2 20130514; WO 2011000530 A2 20110106; WO 2011000530 A3 20120809

DOCDB simple family (application)

EP 09008506 A 20090630; AT 09008506 T 20090630; CA 2765128 A 20100625; CN 201080029589 A 20100625; EP 2010003900 W 20100625; JP 2012518048 A 20100625; PL 09008506 T 20090630; US 201013379586 A 20100625