

Title (en)

Process and calender for satin-finishing a paper or cardboard web

Title (de)

Verfahren und Kalandrier zum Satinieren einer Papier- oder Kartonbahn

Title (fr)

Procédé et calandre pour le satinage d' une bande de papier ou carton

Publication

EP 1318237 A3 20050202 (DE)

Application

EP 02026040 A 20021122

Priority

DE 10158910 A 20011130

Abstract (en)

[origin: EP1318237A2] The calender assembly, to satinize the surface of a paper or cardboard web, has a number of nips (9-14) for the web to pass through between the calender rollers. The pressure applied at least in the first nip is restricted to apply a compression on the web in the plastic/elastic range. The specific pressure increases on the web progressively through the nips. The calender roller stack is formed of hard rollers (3,5,7) and soft rollers (2,4,6,8) with roller mantle claddings (15-18) with an increasing hardness from nip to nip, with a mantle hardness of Shore D 80-90 at the first nip. An adjustment mechanism (20) sets the nip pressures.

IPC 1-7

D21G 1/00

IPC 8 full level

D21G 1/00 (2006.01)

CPC (source: EP)

D21G 1/00 (2013.01); **D21G 1/006** (2013.01)

Citation (search report)

- [A] DE 19508350 C1 19960404 - VOITH SULZER FINISHING GMBH [DE]
- [A] DE 4026774 A1 19920305 - VOITH GMBH J M [DE]
- [A] WO 9850628 A1 19981112 - VALMET CORP [FI], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1318237 A2 20030611; **EP 1318237 A3 20050202**; **EP 1318237 B1 20060802**; DE 10158910 A1 20030618; DE 10158910 B4 20051222; DE 50207705 D1 20060914

DOCDB simple family (application)

EP 02026040 A 20021122; DE 10158910 A 20011130; DE 50207705 T 20021122