

Title (en)

Arrangement for treating a paper or board web

Title (de)

Anordnung zum Behandeln einer Papier- oder Kartonbahn

Title (fr)

Arrangement pour traiter une bande de papier or de carton

Publication

EP 1467019 A3 20050209 (DE)

Application

EP 04101363 A 20040402

Priority

DE 10316852 A 20030411

Abstract (en)

[origin: EP1467019A2] In a process to condition the surface of a paper or carton web prior to the application (16) of a coating, the web passes through a wide nip (3). The nip is formed by a first drum (13) with an elastic surface mantle and a second drum (12) with a hard surface mantle. The surface elasticity of the first drum is no more than 10,000 MPa and has a Shore hardness of 100 Sh (D). The tensile force in the soft nip (15) is no more than 30 N/mm. The tensile force in the wide nip (3) is no more than 3 N/mm. The wide nip (3) has a heating system which heats the web to at least 100C. The mantle (6) and soft drum (13) are presented to the same side of the web.

IPC 1-7

D21G 1/00; **D21G 1/02**; **D21H 23/30**

IPC 8 full level

D21G 1/00 (2006.01); **D21G 1/02** (2006.01); **D21H 23/30** (2006.01); **D21H 23/56** (2006.01)

CPC (source: EP)

D21G 1/006 (2013.01); **D21G 1/0233** (2013.01); **D21H 23/30** (2013.01); **D21H 23/56** (2013.01)

Citation (search report)

- [XY] WO 02103109 A1 20021227 - METSO PAPER INC [FI], et al
- [X] WO 0198585 A1 20011227 - METSO PAPER INC [FI], et al
- [Y] DE 3907216 A1 19890928 - VALMET PAPER MACHINERY INC [FI]
- [Y] WO 0183883 A1 20011108 - METSO PAPER INC [FI], et al
- [Y] EP 0361402 A1 19900404 - JUJO PAPER CO LTD [JP]

Cited by

EP1811083A1

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1467019 A2 20041013; **EP 1467019 A3 20050209**; DE 10316852 A1 20041104; DE 10316852 B4 20060803

DOCDB simple family (application)

EP 04101363 A 20040402; DE 10316852 A 20030411