

Title (en)
Apparatus for treating a web of material

Title (de)
Vorrichtung zur Behandlung einer Materialbahn

Title (fr)
Dispositif pour le traitement d'une bande de matériau

Publication
EP 0616073 B1 19970102 (DE)

Application
EP 94102798 A 19940224

Priority
DE 4307592 A 19930310

Abstract (en)
[origin: EP0616073A1] The invention relates to a device for treating a material web, preferably for dewatering a paper web (2) in the impulse drying process, having a heating roll (3) and a counter-support (4), which forms a press nip (5) together with the heating roll (3), at least the heating roll (3) consisting of a stationary axle, a roll cover (7) and at least one supporting element for supporting the roll cover (7) on the axle and the roll cover (7) has a base layer (9) and a thin ceramic operating layer (10) applied onto the base layer (9), the operating layer (10) having an improved energy efficiency and at the same time an improved mechanical stability. It is proposed that the ceramic operating layer (10) has a thickness of less than 1 mm, that the base layer (9) consists of a ceramic material as a thermal insulation and that the base layer (9) has a thickness which is larger than the thickness of the ceramic operating layer (10). <IMAGE>

IPC 1-7
D21F 3/08; **D21F 3/02**

IPC 8 full level
D21F 3/02 (2006.01); **D21F 3/08** (2006.01)

CPC (source: EP)
D21F 3/0281 (2013.01); **D21F 3/08** (2013.01)

Designated contracting state (EPC)
AT GB IT

DOCDB simple family (publication)
EP 0616073 A1 19940921; **EP 0616073 B1 19970102**; AT E147111 T1 19970115; CA 2118660 A1 19940911; DE 4307592 A1 19940915; FI 941113 A0 19940309; FI 941113 A 19940911

DOCDB simple family (application)
EP 94102798 A 19940224; AT 94102798 T 19940224; CA 2118660 A 19940309; DE 4307592 A 19930310; FI 941113 A 19940309