

Title (en)

Elastic coating for a rotating press element of a fibre web machine

Title (de)

Elastische Walzenbeschichtung für ein Pressenelement in einer Faserbahnmaschine

Title (fr)

Revêtement élastique pour un élément de presse rotative d'une machine à toile de fibres

Publication

**EP 2447416 A1 20120502 (EN)**

Application

**EP 11185417 A 20111017**

Priority

FI 20106122 A 20101028

Abstract (en)

The invention relates to an elastic coating (10) suitable for the rotating press element of a fibre web machine, which comprises a base layer (120) made of a polymer material suitable for being mounted on the body (130) of the press element and a surface layer (110) made of a polymer material as a wearing layer on top of the base layer, and where the surface layer (110) comprises an outer surface (100) as the outermost radial point. The radial modulus of elasticity of the surface layer (110) beneath the outer surface (100) of the coating (10) is adjusted to a level lower than the radial modulus of elasticity of the outer surface (100).

IPC 8 full level

**D21F 3/08** (2006.01); **D21G 1/02** (2006.01)

CPC (source: EP FI)

**D21F 3/08** (2013.01 - EP); **D21G 1/0233** (2013.01 - EP FI)

Citation (applicant)

- US 5887517 A 19990330 - LIANG SHIHUA [US], et al
- US 5023985 A 19910618 - SALO JUKKA [FI], et al

Citation (search report)

- [AD] US 5023985 A 19910618 - SALO JUKKA [FI], et al
- [A] EP 1659216 A1 20060524 - SCHAEFER KG [DE]
- [A] EP 1363034 A1 20031119 - VOITH PAPER PATENT GMBH [DE]
- [A] US 3447600 A 19690603 - GREENE WILLIAM E

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2447416 A1 20120502**; **EP 2447416 B1 20150318**; CN 102535231 A 20120704; CN 102535231 B 20141001; FI 20106122 A0 20101028; FI 20106122 A 20120429

DOCDB simple family (application)

**EP 11185417 A 20111017**; CN 201110342601 A 20111028; FI 20106122 A 20101028