

Title (en)

Printing roller with a sleeve of hot, wound fibre-reinforced, thermoplastic material and a plasma-sprayed copper, or copper alloy coating

Title (de)

Druckwalze mit einer Hülse aus thermisch gewickelten faserverstärkten Thermoplasten und einer plasmagespritzten Kupfer- oder Kupferlegierungsbeschichtung

Title (fr)

Cylindre d'impression avec un manchon en matière thermoplastique armée de fibres enroulées à chaud et avec un revêtement de cuivre- ou alliage cuivreux déposés par jet de plasma

Publication

**EP 0623466 B1 19980128 (DE)**

Application

**EP 94105693 A 19940413**

Priority

DE 9305806 U 19930419

Abstract (en)

[origin: US5468568A] The printing roller according to the invention comprises a core cylinder and a sleeve of plastic. The sleeve is built up from a tubular base body composed of a fiber-reinforced thermoplastic material and the base body is coated on its outer surface with a layer, produced by plasma-spraying, of copper or a copper alloy.

IPC 1-7

**B41F 27/10**; **B41N 1/20**

IPC 8 full level

**B41F 13/08** (2006.01); **B41F 27/10** (2006.01); **B41N 1/20** (2006.01); **C23C 4/08** (2016.01)

CPC (source: EP US)

**B41N 1/20** (2013.01 - EP US); **C23C 4/08** (2013.01 - EP US); **Y10T 428/1359** (2015.01 - EP US); **Y10T 428/249953** (2015.04 - EP US)

Cited by

DE102007006207A1; EP1968795A4; US5819657A; EP1985459A3; DE10214989A1; US5735206A; EP0732201A1; US5782181A

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**US 5468568 A 19951121**; AT E162759 T1 19980215; DE 59405143 D1 19980305; DE 9305806 U1 19930609; EP 0623466 A2 19941109; EP 0623466 A3 19941117; EP 0623466 B1 19980128; JP 3434567 B2 20030811; JP H06320703 A 19941122

DOCDB simple family (application)

**US 22842594 A 19940415**; AT 94105693 T 19940413; DE 59405143 T 19940413; DE 9305806 U 19930419; EP 94105693 A 19940413; JP 7851894 A 19940418