

Title (en)  
COMPOSITE SHAFT FOR PRINTING CYLINDER, COMPRISING HYDRAULIC SLEEVE-FIXING DEVICE

Title (de)  
VERBUNDWELLE FÜR DRUCKZYLINDER MIT HYDRAULISCHER HÜLSEBEFESTIGUNGSVORRICHTUNG

Title (fr)  
AXE COMPOSE POUR CYLINDRE D'IMPRESSION A DISPOSITIF HYDRAULIQUE DE FIXATION DE GAINES

Publication  
**EP 1679189 B1 20080702 (EN)**

Application  
**EP 03758108 A 20031008**

Priority  
ES 0300509 W 20031008

Abstract (en)  
[origin: EP1679189A1] SUMMARY Comprises first and second pieces (10, 20) which have end configurations (11, 21) for installation and guide and respective coupling configurations (14, 24) plug-in fit at the ends of a third, tubular piece (30) which defines an intermediate, cylindrical section (31), for attachment of liners (40). The hydraulic device comprises two expansible sleeves (50) situated on the first and second pieces (10, 20) each with a circular cavity (51) connected to a longitudinal duct through the shaft containing a fluid capable of being subjected to pressure to make convex an external, deformable wall (52) of the sleeve. The longitudinal duct comprises first and second sections (12, 22) in the first and second pieces (10, 20) connected, by means of a flexible tube (60) located in the hollow interior of the third piece (30).

IPC 8 full level  
**B41F 27/10** (2006.01); **B41F 13/10** (2006.01)

CPC (source: EP)  
**B41F 27/105** (2013.01)

Cited by  
NL2014544A; US10099470B2; WO2016159764A3; WO2015177599A1; US10828886B2; US11167565B2

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