

Title (en)  
RUBBER ROLLERS WITH ROUGH SURFACE

Title (de)  
GUMMIWALZEN MIT RAUER OBERFLÄCHE

Title (fr)  
ROULEAUX EN CAOUTCHOUC À SURFACE RUGUEUSE

Publication  
**EP 2049342 B1 20111019 (DE)**

Application  
**EP 07802551 A 20070809**

Priority  
• EP 2007058257 W 20070809  
• DE 102006037615 A 20060810

Abstract (en)  
[origin: US2009241789A1] A rubber-coated ink transfer roll having a hardness range of from 20 to 80 Shore A and a mean depth of roughness Rz of from 30 to 80 μm and a maximum depth of roughness Rmax of from 40 to 120 μm, a free specific volume V1 from 0.001 to 0.1 mm<sup>3</sup>/mm<sup>2</sup> and a free specific volume V2 from 0.02 to 1.5 mm<sup>3</sup>/mm<sup>2</sup>.

IPC 8 full level  
**B41N 7/06** (2006.01); **B41F 31/26** (2006.01)

CPC (source: EP US)  
**B41F 13/193** (2013.01 - EP US); **B41F 31/26** (2013.01 - US); **B41N 7/06** (2013.01 - EP US); **B41N 2207/02** (2013.01 - EP US);  
**B41N 2207/14** (2013.01 - EP US)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**US 2009241789 A1 20091001**; **US 9266375 B2 20160223**; AR 062341 A1 20081029; AT E529268 T1 20111115; CN 101500818 A 20090805;  
CN 101500818 B 20150603; DE 102006037615 A1 20080214; DK 2049342 T3 20120213; EP 2049342 A1 20090422; EP 2049342 B1 20111019;  
ES 2373066 T3 20120131; JP 2010500190 A 20100107; JP 5486304 B2 20140507; PL 2049342 T3 20120229; PT 2049342 E 20111130;  
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JP 2009523294 A 20070809; PL 07802551 T 20070809; PT 07802551 T 20070809; SI 200730823 T 20070809