

Title (en)
Roller sleeve

Title (de)
Walzenmantel

Title (fr)
Enveloppe cylindrique

Publication
EP 1312713 B1 20070110 (DE)

Application
EP 02022002 A 20021001

Priority
DE 10156146 A 20011115

Abstract (en)
[origin: EP1312713A1] Filaments (2,3), embedded into an elastomeric layer (1) e.g. a polyurethane layer, run longitudinally and transversely with respect to the web running direction. A layer of additional reinforcing filaments (4) are embedded in some sections of the elastomeric layer. Each reinforcing filament inclines at a 20 to 70 degree angle relative to the web running direction. <??>The elastomeric layer has roll ends connectable to a roll axle.

IPC 8 full level
D21F 3/00 (2006.01); **D21F 3/02** (2006.01); **F16C 13/00** (2006.01)

CPC (source: EP US)
D21F 3/0227 (2013.01 - EP US); **Y10T 428/2925** (2015.01 - EP US)

Cited by
DE102014209468A1; WO2015063143A1; WO2007033877A1

Designated contracting state (EPC)
AT DE FI IT SE

DOCDB simple family (publication)
EP 1312713 A1 20030521; **EP 1312713 B1 20070110**; DE 10156146 A1 20030528; DE 50209223 D1 20070222; JP 2003155682 A 20030530; JP 4121073 B2 20080716; US 2003092548 A1 20030515; US 6929592 B2 20050816

DOCDB simple family (application)
EP 02022002 A 20021001; DE 10156146 A 20011115; DE 50209223 T 20021001; JP 2002328463 A 20021112; US 29034002 A 20021108