

Publication

**EP 0819550 A3 19980128**

Application

**EP 97106952 A 19970426**

Priority

DE 19628555 A 19960716

Abstract (en)

[origin: EP0819550A2] The rubber cylinder sleeve (2) has an inner carrier sleeve (3) made of metal or a glass reinforced plastics with a longitudinal seam (7). The carrier sleeve is covered by at least one compressible layer (4), similarly provided with a longitudinal seam (8) and secured via an adhesive, enclosed by a seamless outer covering (6). A further layer (5) of a non-expandable material provided with a longitudinal seam (9) can be inserted between the compressible layer and the outer covering

IPC 1-7

**B41N 10/04**; **B41N 7/00**

IPC 8 full level

**B41F 13/08** (2006.01); **B41N 7/00** (2006.01); **B41N 10/04** (2006.01)

CPC (source: EP US)

**B41N 6/00** (2013.01 - EP US); **B41N 10/04** (2013.01 - EP US)

Citation (search report)

- [Y] US 3203848 A 19650831 - ROSS WILLIAM C
- [Y] EP 0313511 A2 19890426 - BAUER ALBERT GRAFISCHE [DE]
- [Y] WO 9402259 A1 19940203 - DAY INT INC [US]
- [Y] EP 0514344 A1 19921119 - HEIDELBERG HARRIS INC [US], et al & US 5440981 A 19950815 - VROTACOE JAMES B [US], et al

Cited by

EP1157855A1; DE102007008719A1; EP1147915A1; EP1275501A1; FR2800008A1; DE19950643B4; DE10117409A1; DE10117409B4; EP1657075A1; US7559278B2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 0819550 A2 19980121**; **EP 0819550 A3 19980128**; **EP 0819550 B1 20020227**; CA 2209834 A1 19980116; CA 2209834 C 20040224; DE 59706477 D1 20020404; JP 2000141941 A 20000523; JP 3048538 B2 20000605; JP H1058853 A 19980303; US 6148725 A 20001121

DOCDB simple family (application)

**EP 97106952 A 19970426**; CA 2209834 A 19970708; DE 59706477 T 19970426; JP 17859797 A 19970703; JP 36566599 A 19991222; US 89395097 A 19970716