

Title (en)
NONWOVEN ABRASIVE MATERIAL ROLL

Title (de)
SCHLEIFVLIESSTOFFROLLE

Title (fr)
ROULEAU DE MATERIAU ABRASIF NON TISSE

Publication
EP 0847322 A2 19980617 (EN)

Application
EP 96929809 A 19960830

Priority
• US 9613941 W 19960830
• US 52095495 A 19950830
• US 58610296 A 19960116

Abstract (en)
[origin: WO9707937A2] A longitudinally extending web of lofty nonwoven abrasive surface treatment material is provided in a coreless roll form to the end user. Successive wraps of the nonwoven abrasive material have interengaging surfaces sufficient to maintain the material in a spirally wrapped configuration yet being readily separable. A plurality of longitudinally spaced and laterally disposed perforations through the web permit the user to successively separate the web into a plurality of sheets of abrasive surface treatment material. In a preferred embodiment, the roll is encased in a protective shrink wrap sheath, and each sheet is separated from the roll by separating said sheet from an innermost wrap of the roll. In another preferred embodiment, the abrasive surface treatment material includes abrasive particles of 1000 grade of finer.

IPC 1-7
B24D 11/00; **B24D 15/04**; **A47L 13/17**

IPC 8 full level
A47L 13/07 (2006.01); **A47L 13/17** (2006.01); **A47L 17/08** (2006.01); **B24D 3/28** (2006.01); **B24D 11/00** (2006.01); **B24D 15/04** (2006.01); **B65H 18/28** (2006.01); **D04H 1/42** (2012.01); **D04H 1/70** (2012.01); **D04H 13/00** (2006.01)

CPC (source: EP KR)
A47L 13/07 (2013.01 - EP); **A47L 13/17** (2013.01 - EP); **A47L 17/08** (2013.01 - EP); **B24D 3/28** (2013.01 - EP); **B24D 11/00** (2013.01 - KR); **B24D 11/008** (2013.01 - EP); **B24D 15/04** (2013.01 - EP); **B65H 18/28** (2013.01 - EP); **D04H 1/413** (2013.01 - EP); **D04H 1/70** (2013.01 - EP); **B65H 2701/1846** (2013.01 - EP)

Citation (search report)
See references of WO 9707937A2

Cited by
EP3659749A4; US11141836B2

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
WO 9707937 A2 19970306; **WO 9707937 A3 19970605**; AU 6906896 A 19970319; BR 9609860 A 19990316; CA 2229810 A1 19970306; DE 29623899 U1 20000727; DE 69612387 D1 20010510; DE 69612387 T2 20010809; DE 69628949 D1 20030807; DE 69628949 T2 20040513; DE 69628950 D1 20030807; DE 69628950 T2 20040513; EP 0847322 A2 19980617; EP 0847322 B1 20010404; EP 1005957 A2 20000607; EP 1005957 A3 20011205; EP 1005957 B1 20030702; EP 1008420 A2 20000614; EP 1008420 A3 20011205; EP 1008420 B1 20030702; ES 2198236 T3 20040201; ES 2198237 T3 20040201; FI 980432 A0 19980225; FI 980432 A 19980225; JP 4004067 B2 20071107; JP H11514936 A 19991221; KR 19990044244 A 19990625; MX 9801600 A 19980830

DOCDB simple family (application)
US 9613941 W 19960830; AU 6906896 A 19960830; BR 9609860 A 19960830; CA 2229810 A 19960830; DE 29623899 U 19960830; DE 69612387 T 19960830; DE 69628949 T 19960830; DE 69628950 T 19960830; EP 00103426 A 19960830; EP 00103427 A 19960830; EP 96929809 A 19960830; ES 00103426 T 19960830; ES 00103427 T 19960830; FI 980432 A 19980225; JP 51058597 A 19960830; KR 19980701480 A 19980227; MX 9801600 A 19980227