

Title (en)

DISPENSER FOR ROLL MATERIAL STRIP WITHOUT WINDING CORE COMPRISING AN IMPROVED SUPPORTING SPINDLE

Title (de)

ABGABEVORRICHTUNG MIT VERBESSERTER TRAGACHSE FÜR KERNLOSES AUFGEROLLTES BAHNFÖRMIGES MATERIAL

Title (fr)

DISTRIBUTEUR POUR BANDE DE MATERIAU EN ROULEAU SANS MANDRIN COMPORTANT UNE TIGE SUPPORT PERFECTIONNEE

Publication

EP 0922001 A1 19990616 (FR)

Application

EP 97933735 A 19970711

Priority

- FR 9701303 W 19970711
- FR 9608766 A 19960712

Abstract (en)

[origin: WO9802373A1] The invention discloses a dispenser for roll material strip without winding core, of the type in which the roll is mounted on a substantially cylindrical supporting spindle (14) and in which the material is dispensed by unreeling the roll in rotation about the spindle (14) axis (A1), characterised in that the spindle (14) does not move in rotation about its axis (A1) when the roll is unreeled, and in that it is provided with at least one radial protuberance (36) which is received inside the roll and which rubs against the roll to check it when it is being unreeled.

IPC 1-7

B65H 23/06; **B65H 16/02**

IPC 8 full level

A47K 10/38 (2006.01); **B65H 16/02** (2006.01); **B65H 23/06** (2006.01)

CPC (source: EP US)

A47K 10/38 (2013.01 - EP US); **A47K 2010/3863** (2013.01 - EP US)

Citation (search report)

See references of WO 9802373A1

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)

WO 9802373 A1 19980122; AT E219025 T1 20020615; CA 2259524 A1 19980122; CA 2259524 C 20071023; DE 69713341 D1 20020718; DE 69713341 T2 20021219; DK 0922001 T3 20021007; EP 0922001 A1 19990616; EP 0922001 B1 20020612; ES 2177992 T3 20021216; FR 2750969 A1 19980116; FR 2750969 B1 19981120; PT 922001 E 20021031; TR 199900043 T2 19990421; US 6199791 B1 20010313

DOCDB simple family (application)

FR 9701303 W 19970711; AT 97933735 T 19970711; CA 2259524 A 19970711; DE 69713341 T 19970711; DK 97933735 T 19970711; EP 97933735 A 19970711; ES 97933735 T 19970711; FR 9608766 A 19960712; PT 97933735 T 19970711; TR 9900043 T 19970711; US 21470799 A 19990315