

Title (en)

A WINDING DEVICE, USE OF A ROLLER AND CORRESPONDING ROLLER.

Title (de)

AUFWICKELVORRICHTUNG, VERWENDUNG EINER WALZE UND ENTSPRECHENDE WALZE.

Title (fr)

DISPOSITIF D'ENROULEMENT, UTILISATION D'UN ROULEAU ET ROULEAU CORRESPONDANT.

Publication

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Application

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Priority

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- US 9107605 W 19911015

Abstract (en)

[origin: WO9207784A1] A roller (10) used as support, backing or driven roller in winding devices, is composed of an outer cylindrical roller element (24), on which an elastic, flexible intermediate layer (26) of elastomeric material is applied. On the intermediate layer (26), an external roller mantle (33) of thin-wall spring steel is provided that can be deformed in a plane perpendicular to the axis due to the contact pressure of the roll (2) and can be pressed against the outer perimeter of the roll (2). A broad contact region is created, which leads to a lower specific nip pressure and to a smaller package hardness. Channels (27, 28) in the intermediate layer (26) serve to increase the flexibility and cooling.

IPC 1-7

B65H 27/00; **B65H 18/14**

IPC 8 full level

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Cited by

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WO 9207784 A1 19920514; AT E116263 T1 19950115; BR 9107063 A 19930914; CA 2094815 A1 19920506; CA 2094815 C 19990119; DE 4035054 A1 19920507; DE 4035054 C2 19961212; DE 69106387 D1 19950209; DE 69106387 T2 19950504; EP 0556252 A1 19930825; EP 0556252 B1 19941228; ES 2043582 T1 19940101; ES 2043582 T3 19950401; FI 932005 A0 19930504; FI 932005 A 19930504; JP H05508604 A 19931202; JP H0780603 B2 19950830; PL 167649 B1 19951031

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