

Title (en)
Expansion mandrel for coils

Title (de)
Erweiterungsdorn für Spulen

Title (fr)
Mandrin d'expansion pour bobines

Publication
EP 2634128 A3 20140709 (EN)

Application
EP 12199120 A 20121221

Priority
• EP 12157370 A 20120228
• IT PC20120010 A 20120419
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Abstract (en)
[origin: EP2634128A2] The present invention relates to an expansion gripper comprising a hollow shaft (2) at one end of which there is produced a hub (3), a sleeve (5) mounted to slide along an axis (X) on said hub (3) with a first inner portion (6) and a second outer portion (7), mutually coaxial, a liner (8) connected integral with the hub (3), provided with a plurality of through openings (9) adapted to house inserts (10) that act as gripping elements of the gripper, said second portion (7) being provided with through openings (14) adapted to house the same number of rolling means (13) interposed between the outer surface of said hub (3) and the lower surface of said inserts (10), said surfaces being provided with profiles (11, 12) adapted to cooperate with said rolling means (13) to control the movement of said inserts (10) from a closed position in which they retract inside the contour of the liner (8) to an open position in which they project from said liner (8).

IPC 8 full level
B65H 75/24 (2006.01)

CPC (source: EP US)
B65H 75/248 (2013.01 - EP US)

Citation (search report)
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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