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(54) **Expansion mandrel for coils**

(57) 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).

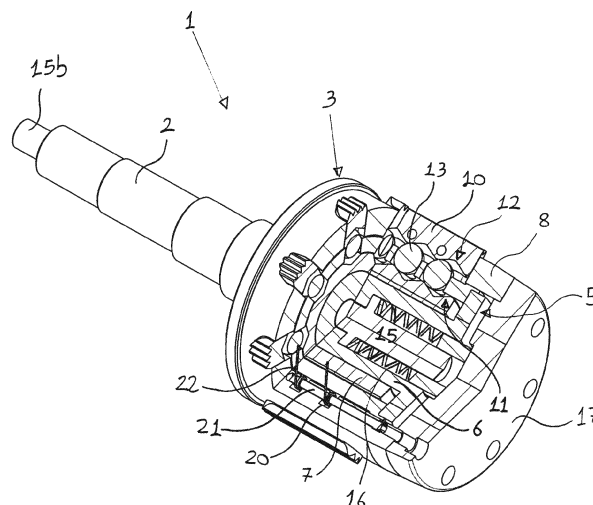


Fig. 1

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Place of search		Date of completion of the search	Examiner
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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