

Title (en)

Mandrel for the winding and/or unwinding of coils

Title (de)

Dorn zum Wickeln und/oder Abwickeln von Bunden

Title (fr)

Mandrin pour l'enroulement et/ou déroulement de bobines

Publication

EP 1157757 A1 20011128 (FR)

Application

EP 00490018 A 20000524

Priority

EP 00490018 A 20000524

Abstract (en)

The mandrel (1) can be driven reversibly to allow the winding and unwinding of bobbins, particularly bobbins of sheet steel. The mandrel includes a grip (2) that operates using the principle of expansion. The expansion principle has a double expansion which allows the grip to have three pre-established different configurations. For each configuration a mechanical stop arrangement (4) is provided that ensures stability of the configuration.

IPC 1-7

B21C 47/30

IPC 8 full level

B21C 47/30 (2006.01)

CPC (source: EP)

B21C 47/30 (2013.01)

Citation (search report)

- [X] US 4352470 A 19821005 - BLAKESLEE FREDERICK R
- [X] US 1956906 A 19340501 - MIKAELSON ERIK W

Cited by

DE102014212668A1; US9937543B2

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