

Title (en)

Device for coiling and uncoiling of metal wires

Title (de)

Vorrichtung zum Auf- und Abspulen von Metalldrähten

Title (fr)

Dispositif d'enroulage et déroulage de fils métalliques

Publication

EP 0737525 B1 19990811 (DE)

Application

EP 96103995 A 19960313

Priority

DE 29505596 U 19950410

Abstract (en)

[origin: EP0737525A1] The device uses a dancer system (5,6,9,10) for regulating the metal wire tension and the winding or paying-out velocity. The dancer system includes a proportional rotary magnet (9) coupled to an angle coder (10) and providing a rotary moment proportional to the supplied voltage. The device can be used for winding a metal wire filament for an electric lamp, with the wire supplied from a driven supply spool (2) rotated at a controlled rate, so that a constant drawing force is exerted on the wire.

IPC 1-7

B21C 1/12; **B65H 59/38**; **B65H 59/36**

IPC 8 full level

B21C 1/04 (2006.01); **B21C 1/08** (2006.01); **B21C 1/12** (2006.01); **B65H 59/36** (2006.01); **B65H 59/38** (2006.01)

CPC (source: EP)

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Cited by

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