Title (en)
DOUBLE-EXPANDABLE-HEAD CAROUSEL COILER

Title (de)
DOPPELSPREIZKOPF-KARUSSELLHASPEL

Title (fr)
BOBINEUSE A CARROUSEL AVEC DOUBLE TETE EXTENSIBLE

Publication
EP 2054176 A1 20090506 (DE)

Application
EP 07786449 A 20070731

Priority
• EP 2007006751 W 20070731
• DE 102006038493 A 20060816

Abstract (en)
[origin: US7854408B2] A carousel coiler with two coilers, which are mounted in a rotatable rotor, are rotatably driven independently of each other, are intended for the successive, continuous winding of metal strip and each have spray heads, which comprise a number of segments that can be moved in a spreading manner, are supported on axially displaceable wedge-shaped directing surfaces and on which the coilers can be cyclically moved in each case from a starting position into a strip-coil transfer position by turning of the rotor, is to be developed in such a way that a pivot-into-place outside bearing becomes superfluous, that the coil or the coil to be wound is always supported on both sides in every position, and that the carousel coiler can be used both for winding up and unwinding coils. For this purpose, it is proposed that the rotor comprises two rotor discs (2, 2′), which are opposite each other and connected to each other by at least one hollow cross-member (3) and that the rotor carries at least two double spray-head coilers.

IPC 8 full level
B21C 47/04 (2006.01); **B21C 47/24** (2006.01); **B21C 47/30** (2006.01); **B65H 18/10** (2006.01)

CPC (source: EP US)
B21C 47/245 (2013.01 - EP US); **B21C 47/30** (2013.01 - EP US)

Cited by
EP3932585A1; CN113877965A

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US 2009294569 A1 20091203; **US 7854408 B2 20101221**; AT E451980 T1 20100115; BR PI0714124 A2 20130101; BR PI0714124 B1 20190507; CA 2658426 A1 20080221; CA 2658426 C 20110329; CN 101489699 A 20090722; CN 101489699 B 20120704; DE 102006038493 A1 20080221; DE 502007002364 D1 20100128; EP 2054176 A1 20090506; EP 2054176 B1 20091216; ES 2337211 T3 20100421; JP 2010500262 A 20100107; JP 4860758 B2 20120125; RU 2388562 C1 20100510; WO 2008019758 A1 20080221

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