

Title (en)
Winder with two mandrels for winding a web

Title (de)
Wickler mit zwei Spindeln zum Aufwickeln einer Bahn

Title (fr)
Bobineuse à deux mandrins pour l'enroulement d'une bande

Publication
EP 0875476 B1 20030827 (FR)

Application
EP 98400995 A 19980423

Priority
FR 9705409 A 19970430

Abstract (en)
[origin: EP0875476A1] The winder has at least two rotary mandrels, each carried by a frame which allows them both to be placed in turn in a first position where winding is started and a second position where winding is completed and the mandrel is removed. The winder incorporates a permanent support for the end of each mandrel opposite the frame as it travels from the first position to the second. The support is in the form of a rotary member which rests on a fixed support (12). As each full mandrel is removed from the winder it is replaced by an empty one and the process is continued.

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IPC 8 full level
B21C 47/28 (2006.01); **B65H 18/02** (2006.01); **B65H 19/22** (2006.01)

CPC (source: EP KR US)
B65H 18/0212 (2020.08 - EP US); **B65H 19/2215** (2013.01 - EP KR US); **B65H 2301/41362** (2013.01 - EP KR US);
B65H 2408/24153 (2013.01 - EP KR US); **B65H 2701/173** (2013.01 - KR)

Citation (examination)
• EP 0857679 A2 19980812 - WINDMOELLER & HOELSCHER [DE]
• US 2707596 A 19550503 - EHRET HARRY J

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ITMI20100296A1; EP0857679A3; CN106488812A; EP2039634A1; WO2015181015A1

Designated contracting state (EPC)
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FR 2762831 A1 19981106; FR 2762831 B1 19990716; JP H10310294 A 19981124; KR 100533340 B1 20060330; KR 19980081844 A 19981125;
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