

Title (en)
DEVICE FOR INSERTING A WINDING CORE IN A WINDING MACHINE

Publication
EP 0258533 B1 19920415 (DE)

Application
EP 87106746 A 19870508

Priority
DE 3629024 A 19860827

Abstract (en)
[origin: EP0258533A2] A device for inserting a winding core in a winding machine having at least one supporting roller and at least two adjustable winding-up supports comprising mutually opposite mandrels which receive the winding core and in which at least one winding-core gripper can be swivelled between a winding-core receiving position and a winding-core removal position which is in axial alignment with the mandrels. The winding-core gripper can be mounted on a guiding cross-member above the supporting roller, or alternatively so that it can be swivelled and telescoped on a pressure-roller cross-member or other cross-member to the side of the supporting roller. <IMAGE>

IPC 1-7
B65H 19/30

IPC 8 full level
B65H 19/30 (2006.01)

CPC (source: EP US)
B65H 19/305 (2013.01 - EP US); **B65H 2301/4148** (2013.01 - EP US); **B65H 2301/414863** (2013.01 - EP US);
B65H 2301/41826 (2013.01 - EP US); **B65H 2301/41829** (2013.01 - EP US)

Cited by
EP2436630A3; US6155515A; AT511483A5; AT511483B1; EP0921084A1; US6089495A; WO9747547A1; EP2669223A1

Designated contracting state (EPC)
AT ES FR GB IT

DOCDB simple family (publication)
EP 0258533 A2 19880309; EP 0258533 A3 19891115; EP 0258533 B1 19920415; AT E74872 T1 19920515; CA 1297663 C 19920324;
DE 3629024 A1 19880310; DE 3629024 C2 19940901; DE 3629024 C3 19940901; DE 3645209 C2 19951102; ES 2031084 T3 19921201;
FI 86530 B 19920529; FI 86530 C 19920910; FI 873709 A0 19870826; FI 873709 A 19880228; JP 2809629 B2 19981015;
JP S6360853 A 19880316; US 4909454 A 19900320; US 5000395 A 19910319

DOCDB simple family (application)
EP 87106746 A 19870508; AT 87106746 T 19870508; CA 545402 A 19870826; DE 3629024 A 19860827; DE 3645209 A 19860827;
ES 87106746 T 19870508; FI 873709 A 19870826; JP 20942987 A 19870825; US 43302289 A 19891106; US 8989187 A 19870826