

Title (en)
WINDING MACHINE

Title (de)
AUFSPULMASCHINE

Title (fr)
BOBINOIR

Publication
EP 0771302 A1 19970507 (DE)

Application
EP 95925852 A 19950708

Priority
• DE 4425133 A 19940715
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Abstract (en)
[origin: US5964423A] PCT No. PCT/EP95/02674 Sec. 371 Date Jan. 10, 1997 Sec. 102(e) Date Jan. 10, 1997 PCT Filed Jul. 8, 1995 PCT Pub. No. WO96/02453 PCT Pub. Date Feb. 1, 1996A winding machine has at least two winding stations, each of the winding stations having a clamping device for a bobbin case, a jig motion device, and a contact roller disposed between the clamping device and the jig motion device, the jig motion device having two rotors which are driven in opposite directions and are coupled by a gear, each of the rotors having at least two wings which are arranged in a manner of propellers, rotating in a lower plane of rotation and in an upper plane of rotation, and a distance H is provided between reversing points of a traversing movement, and a plane of a traversing triangle forming an angle with the planes of rotation and the reversing points, while circles of rotation of the rotors of the winding stations overlap each other, also at the winding stations intersecting lines of the planes of rotation together with the plane of the traversing triangle rising in a direction in which the wings of the lower rotor move between the reversing points, in a same direction and at a same angle.

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DE 4425133 A1 19960118; DE 4425133 C2 19970313; AT E167455 T1 19980715; CN 1068295 C 20010711; CN 1152900 A 19970625; DE 59502605 D1 19980723; EP 0771302 A1 19970507; EP 0771302 B1 19980617; JP 2771333 B2 19980702; JP H09507824 A 19970812; KR 100246076 B1 20000401; KR 970704619 A 19970906; US 5964423 A 19991012; US 5967446 A 19991019; WO 9602453 A1 19960201

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