

Title (en)
Winding machine

Title (de)
Aufspulmaschine

Title (fr)
Bobinoir

Publication
EP 1086919 A3 20020320 (DE)

Application
EP 00117710 A 20000817

Priority
DE 19945823 A 19990924

Abstract (en)
[origin: US6390407B1] The winding machine for a continuously running yarn includes a machine housing (1), a supporting arm (12) projecting from an upper part of the machine housing; two bobbin spindles (6,7) for respective bobbins sleeves (8,9); traversing units for the bobbin spindles in the supporting arm (12); a contacting roller (13); drive motors for the bobbins spindles, the contacting roller (13) and the traversing units (14) and an electronic device including an inverter for supplying the drive motors with electrical energy. The electronic device, the supporting arm, the contacting roller and the bobbins spindles are all on the same side of the machine housing. In order to provide improved cooling the flat control housing (19) for the electronic unit is separately mounted below the supporting arm (12) near the feet (2,3) of the winding machine and has the cooling ribs (20) facing the bobbins so that an air flow is produced over the cooling ribs during operation because of motion of the bobbins.

IPC 1-7
B65H 54/72; **B65H 54/70**

IPC 8 full level
B65H 54/70 (2006.01); **B65H 54/72** (2006.01)

CPC (source: EP US)
B65H 54/70 (2013.01 - EP US); **B65H 54/72** (2013.01 - EP US); **B65H 2301/5305** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Citation (search report)

- [DA] EP 0845432 A1 19980603 - BARMAG BARMER MASCHF [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 1995, no. 08 29 September 1995 (1995-09-29)
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 640 (M - 1717) 6 December 1994 (1994-12-06)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 05 30 May 1997 (1997-05-30)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 2002043584 A1 20020418; **US 6390407 B1 20020521**; AT E258534 T1 20040215; DE 19945823 C1 20001026; DE 50005128 D1 20040304; EP 1086919 A2 20010328; EP 1086919 A3 20020320; EP 1086919 B1 20040128

DOCDB simple family (application)
US 66726500 A 20000922; AT 00117710 T 20000817; DE 19945823 A 19990924; DE 50005128 T 20000817; EP 00117710 A 20000817