

Title (en)
Coil winding machine

Title (de)
Spulenwickelmaschine

Title (fr)
Machine à bobiner

Publication
EP 1233431 A1 20020821 (EN)

Application
EP 02002784 A 20020207

Priority
JP 2001081674 A 20010214

Abstract (en)
A coil winding machine by which a wire (3) is fed with a constant tension through a nozzle (4) and wound round a bobbin (6) attached to a rotating shaft (5). This machine is featured by the fact that the wire (3) can be tightly coated with insulating resin fed and melted in the nozzle head (4) while it passes the nozzle head (4). This ensures forming tight insulation between series of wire turns of the coil device. <IMAGE>

IPC 1-7
H01F 41/12; **H01F 41/06**

IPC 8 full level
B65H 54/02 (2006.01); **H01F 41/06** (2006.01); **H01F 41/12** (2006.01); **H01F 38/12** (2006.01)

CPC (source: EP)
H01F 41/082 (2016.01); **H01F 41/122** (2013.01); **H01F 38/12** (2013.01)

Citation (search report)
• [X] DE 1564664 A1 19700514 - SIEMENS AG
• [A] EP 0860841 A2 19980826 - TOYO DENSO KK [JP]
• [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 098 (M - 375) 27 April 1985 (1985-04-27)
• [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 480 (E - 1425) 31 August 1993 (1993-08-31)

Cited by
EP1424706A1

Designated contracting state (EPC)
DE DK FR GB IT

DOCDB simple family (publication)
EP 1233431 A1 20020821; **EP 1233431 B1 20080723**; CN 1190809 C 20050223; CN 1371107 A 20020925; DE 60227730 D1 20080904; DK 1233431 T3 20081117; JP 2002246254 A 20020830; TW 583693 B 20040411

DOCDB simple family (application)
EP 02002784 A 20020207; CN 02103572 A 20020207; DE 60227730 T 20020207; DK 02002784 T 20020207; JP 2001081674 A 20010214; TW 91100648 A 20020117