

Title (en)
Winding machine

Title (de)
Aufspulmaschine

Title (fr)
Bobinoir

Publication
EP 0845432 B1 20020227 (DE)

Application
EP 97118816 A 19971029

Priority
DE 19649104 A 19961127

Abstract (en)
[origin: EP0845432A1] A bobbin winder, to wind a number of continuously running yarns, has a number of changeover units (10) corresponding to the number of yarns. These units are mounted on a girder-shaped carrier (7) which overhangs the machine frame (1). Drive electronics (36) and control electronics (37) are combined in a common electronic unit on the carrier over part of its length.

IPC 1-7
B65H 54/70; **B65H 67/048**

IPC 8 full level
B65H 54/70 (2006.01); **B65H 67/048** (2006.01)

CPC (source: EP KR US)
B65H 54/70 (2013.01 - EP KR US); **B65H 67/048** (2013.01 - EP KR US); **B65H 54/28** (2013.01 - KR); **B65H 2301/5305** (2013.01 - EP KR US); **B65H 2701/31** (2013.01 - EP US)

Cited by
WO2015158552A1; EP1053967A1; DE10040109A1; EP0905076A1; DE19945823C1; EP1086919A3; US6286778B1; WO2019206807A1; WO2007020022A1; WO0173171A1; US6566773B2; US6390407B1; DE102014005634A1; WO2007017190A1; WO2005115896A1

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EP 0845432 A1 19980603; **EP 0845432 B1 20020227**; CN 1082020 C 20020403; CN 1183369 A 19980603; DE 59706488 D1 20020404; KR 100484075 B1 20060127; KR 19980042848 A 19980817; TW 472025 B 20020111; US 5927636 A 19990727

DOCDB simple family (application)
EP 97118816 A 19971029; CN 97122946 A 19971126; DE 59706488 T 19971029; KR 19970063479 A 19971127; TW 86117188 A 19971118; US 97853097 A 19971126