

Title (en)  
Winding machine

Title (de)  
Aufspulmaschine

Title (fr)  
Bobinoir

Publication  
**EP 0845432 A1 19980603 (DE)**

Application  
**EP 97118816 A 19971029**

Priority  
DE 19649104 A 19961127

Abstract (en)  
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.

Abstract (de)  
Aufspulmaschine zum Aufwickeln mehrerer kontinuierlich anlaufender Fäden (12). Bei der Aufspulmaschine sind die Antriebselektronik und die Steuerungselektronik zu je einer Elektronikeinheit (15) zusammengefaßt und an einem die Changiereinrichtungen (10) tragenden Träger (7) angeordnet. <IMAGE>

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)

Citation (search report)  
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• [A] GB 1338038 A 19731121 - RIETER AG MASCHF  
• [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 640 (M - 1717) 6 December 1994 (1994-12-06)  
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**EP 97118816 A 19971029**; CN 97122946 A 19971126; DE 59706488 T 19971029; KR 19970063479 A 19971127; TW 86117188 A 19971118; US 97853097 A 19971126