

Title (en)  
Textile machine for making cross-wound bobbins

Title (de)  
Kreuzspulen herstellende Textilmaschine

Title (fr)  
Machine textile pour la production de bobines à spires croisées

Publication  
**EP 0846640 B1 20011219 (DE)**

Application  
**EP 97119025 A 19971031**

Priority  
DE 19650932 A 19961207

Abstract (en)  
[origin: EP0846640A2] The bobbin winder, to produce cross wound bobbins, has a mobile service unit (23). It is operated by a control computer (38) to generate a control command for at least one of the units to hold and manipulate the cross wound bobbin (11), for the bobbin doffing and empty sleeve replacement actions after the winding frame has been opened.

IPC 1-7  
**B65H 67/04**; **B65H 54/26**; **B65H 54/553**

IPC 8 full level  
**B65H 54/70** (2006.01); **B65H 54/26** (2006.01); **B65H 54/553** (2006.01); **B65H 63/036** (2006.01); **B65H 67/04** (2006.01)

CPC (source: EP US)  
**B65H 54/26** (2013.01 - EP US); **B65H 54/553** (2013.01 - EP US); **B65H 63/036** (2013.01 - EP US); **B65H 67/0411** (2013.01 - EP US);  
**B65H 2701/31** (2013.01 - EP US)

Cited by  
EP2801544A1; DE102013008112A1; DE102007035430A1; DE102007035430B4; EP3581807A1; ITMI20120480A1; EP2644549A1

Designated contracting state (EPC)  
CH DE IT LI

DOCDB simple family (publication)  
**EP 0846640 A2 19980610**; **EP 0846640 A3 19980916**; **EP 0846640 B1 20011219**; DE 19650932 A1 19980610; DE 59705882 D1 20020131;  
JP 4181235 B2 20081112; JP H10175778 A 19980630; TR 199701453 A2 19980622; US 5853137 A 19981229

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