

Title (en)  
Winding machine

Title (de)  
Aufspulmaschine

Title (fr)  
Bobinoir

Publication  
**EP 1502890 A3 20050622 (DE)**

Application  
**EP 04018094 A 20040730**

Priority  
DE 10335237 A 20030801

Abstract (en)  
[origin: EP1502890A2] The winding machine for the continuous winding of threads (8) into spools (6) has several winding spindles (3,5) to hold sleeves (4), with the winding spindles rotatably mounted on a movable spindle carrier (2). A loading device is provided for the making available and fitting of the sleeves onto the spindles. A means of guiding is provided for the fitting of the sleeves and constructed to be guided at least for a short period synchronously with the winding spindles which are moved by the spindle carrier.

IPC 1-7  
**B65H 67/04**; **B65H 67/048**

IPC 8 full level  
**B65H 67/04** (2006.01)

CPC (source: EP US)  
**B65H 67/0417** (2013.01 - EP US); **B65H 2701/31** (2013.01 - EP US)

Citation (search report)

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- [A] JP S5111938 A 19760130 - TOYODA AUTOMATIC LOOM WORKS
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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1502890 A2 20050202**; **EP 1502890 A3 20050622**; **EP 1502890 B1 20070103**; AT E350325 T1 20070115; CN 100434350 C 20081119; CN 1579913 A 20050216; DE 10335237 A1 20050224; DE 502004002505 D1 20070215; US 2005023406 A1 20050203; US 7097129 B2 20060829

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**EP 04018094 A 20040730**; AT 04018094 T 20040730; CN 200410070357 A 20040729; DE 10335237 A 20030801; DE 502004002505 T 20040730; US 89929004 A 20040726