

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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- [DA] US 3964723 A 19760622 - SCHIPPERS HEINZ, et al
- [A] EP 0919505 A1 19990602 - WALMAR ESTABLISHMENT [LI]
- [A] JP S5111938 A 19760130 - TOYODA AUTOMATIC LOOM WORKS
- [A] DE 19701315 A1 19970724 - BARMAG BARMER MASCHF [DE]

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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

DOCDB simple family (application)
EP 04018094 A 20040730; AT 04018094 T 20040730; CN 200410070357 A 20040729; DE 10335237 A 20030801; DE 502004002505 T 20040730; US 89929004 A 20040726