

Title (en)
SEWING DEVICE.

Title (de)
NÄHVORRICHTUNG.

Title (fr)
DISPOSITIF A COUDRE.

Publication
EP 0552343 B1 19951025 (DE)

Application
EP 92916939 A 19920811

Priority
• DE 4126788 A 19910814
• EP 9201837 W 19920811

Abstract (en)
[origin: WO9304229A1] A sewing machine (13) consists of a basic unit (13) comprising a main motor, the needle rod (27) and the thread take-up (31) and a shuttle block (24) releasably attached thereto which comprises the shuttle (35) with the bobbin (36) for the under-thread. To change an empty bobbin, the sewing machine attached to a robot arm is inserted in a receiver unit (21) in which the shuttle block (24) remains while the basic unit (23) is moved towards another shuttle block with a full thread bobbin (36a) and accepts it. There is no need for the time-consuming manual change of the thread bobbin for the under-thread on the sewing machine.

IPC 1-7
D05B 59/04

IPC 8 full level
D05B 29/00 (2006.01); **D05B 59/04** (2006.01)

CPC (source: EP KR)
D05B 19/00 (2013.01 - KR); **D05B 59/04** (2013.01 - EP)

Designated contracting state (EPC)
AT BE CH ES FR GB IT LI

DOCDB simple family (publication)
WO 9304229 A1 19930304; AT E129533 T1 19951115; DE 4126788 C1 19921126; DE 59204137 D1 19951130; EP 0552343 A1 19930728; EP 0552343 B1 19951025; ES 2079201 T3 19960101; JP H06504225 A 19940519; KR 930703498 A 19931130; KR 950014368 B1 19951125

DOCDB simple family (application)
EP 9201837 W 19920811; AT 92916939 T 19920811; DE 4126788 A 19910814; DE 59204137 T 19920811; EP 92916939 A 19920811; ES 92916939 T 19920811; JP 50408593 A 19920811; KR 930701115 A 19930413