

Title (en)
Two needles sewing machine

Title (de)
Zwei-Nadel-Nähmaschine

Title (fr)
Machine à coudre à deux aiguilles

Publication
EP 2206816 B1 20110601 (DE)

Application
EP 09177445 A 20091130

Priority
DE 102009004217 A 20090109

Abstract (en)
[origin: EP2206816A1] The two-needle sewing machine (1) has a needle-holding unit for receiving two needles (11,12). Two spaced gripper blocks are fixed at a lower shaft (31), where each gripper block bears one gripper interacting with one of the two needles during the stitch formation. A clamping screw is provided for fixing one of the two gripper blocks on the lower shaft.

IPC 8 full level
D05B 1/08 (2006.01); **D05B 57/30** (2006.01)

CPC (source: EP KR)
D05B 1/08 (2013.01 - EP KR); **D05B 57/30** (2013.01 - EP KR); **D05B 65/00** (2013.01 - KR)

Cited by
CN114502789A; EP3360994A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2206816 A1 20100714; EP 2206816 B1 20110601; AT E511562 T1 20110615; CN 101781835 A 20100721; CN 101781835 B 20130116; DE 102009004217 A1 20100715; KR 101639445 B1 20160713; KR 20100082720 A 20100719; TW 201033430 A 20100916; TW I493084 B 20150721

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EP 09177445 A 20091130; AT 09177445 T 20091130; CN 201010001457 A 20100108; DE 102009004217 A 20090109; KR 20100001070 A 20100107; TW 99100372 A 20100108