

Title (en)
Sewing machine

Title (de)
Nähmaschine

Title (fr)
Machine à coudre

Publication
EP 2653599 B1 20140416 (DE)

Application
EP 13161010 A 20130326

Priority
DE 102012206208 A 20120416

Abstract (en)
[origin: EP2653599A1] The machine (1) has a gripper (11) front and rear swingably driven with a gripper drive (14) around gripper oscillation axis (12) of a gripper floating shaft (13). The gripper is connected with a sewing needle (10) for a stitch formation, and the gripper drive comprises a drive unit (15) for creating a transmission swinging motion around transmission oscillation axis (17). A traction mechanism gear (26) includes a traction unit (25) for the transmission of transmission swinging motion around the transmission oscillation axis in a drive swinging motion of the shaft.

IPC 8 full level
D05B 57/30 (2006.01)

CPC (source: EP KR)
D05B 57/28 (2013.01 - KR); **D05B 57/30** (2013.01 - EP); **D05B 69/30** (2013.01 - KR)

Cited by
US10851483B2; WO2017067900A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2653599 A1 20131023; EP 2653599 B1 20140416; CN 103374799 A 20131030; CN 103374799 B 20160615;
DE 102012206208 A1 20131017; JP 2013220358 A 20131028; JP 6148893 B2 20170614; KR 101978310 B1 20190514;
KR 20130116818 A 20131024; TW 201348550 A 20131201; TW I563141 B 20161221

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EP 13161010 A 20130326; CN 201310130839 A 20130416; DE 102012206208 A 20120416; JP 2013084672 A 20130415;
KR 20130041034 A 20130415; TW 102113258 A 20130415