

Title (en)
SHUTTLE EMBROIDERY MACHINE

Title (de)
SCHIFFCHENSTICKMASCHINE

Title (fr)
MACHINE À BRODER À NAVETTES

Publication
EP 3039178 B1 20180801 (DE)

Application
EP 14761558 A 20140828

Priority
• CH 14592013 A 20130828
• CH 2014000125 W 20140828

Abstract (en)
[origin: WO2015027349A1] The drive bar of a shuttle embroidery machine is moved up and down by a mechanism (5, 7, 25, 31 and 33) along a movement path which is inclined relative to the vertical. The linear movement path is created without linear guide means, preferably by a mechanism that engages the drive bar.

IPC 8 full level
D05C 11/18 (2006.01)

CPC (source: EP)
D05C 11/18 (2013.01)

Citation (opposition)
Opponent : Saurer AG
• DE 8436780 U1 19850314
• US 876975 A 19080121 - KOBLE VICTOR [CH]
• FR 2689526 A1 19931008 - SIEBER HUGO [CH]
• EP 1595990 A1 20051116 - LAESSER AG [CH]
• CH 703090 A2 20111115 - OERLIKON SAURER ARBON AG [CH]
• EP 2330242 A1 20110608 - LAESSER AG [CH]
• CH 177544 A 19350615 - WUERKER G M B H [DE]
• DE 30271 C 18850203
• "Der Konstrukteur", DER KONSTRUKTEUR, KENNZIFFER-FACHZEITSCHRIFT, 1992, pages 4,39 - 40, XP055587682

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)
WO 2015027349 A1 20150305; CH 708496 A1 20150313; CN 105593425 A 20160518; CN 105593425 B 20181127; CN 109023753 A 20181218; CN 109023753 B 20210716; EP 3039178 A1 20160706; EP 3039178 B1 20180801; EP 3039178 B2 20220608; EP 3409821 A1 20181205; TW 201520395 A 20150601; TW 201900974 A 20190101; TW I637090 B 20181001; TW I693322 B 20200511

DOCDB simple family (application)
CH 2014000125 W 20140828; CH 14592013 A 20130828; CN 201480043645 A 20140828; CN 201810987256 A 20140828; EP 14761558 A 20140828; EP 18185389 A 20140828; TW 103127548 A 20140812; TW 107131005 A 20140812