

Title (en)
Sewing machine

Title (de)
Nähmaschine

Title (fr)
Machine à coudre

Publication
EP 2105526 B1 20110713 (DE)

Application
EP 09003246 A 20090306

Priority
DE 102008016353 A 20080329

Abstract (en)
[origin: EP2105526A1] The machine has a lifting height adjusting device (30) for providing transport lifting of a sewing foot (10) i.e. downholder, where the device is separately formed for a ventilation device (13). The ventilation device and the adjusting device comprise ventilation and lifting gear shafts (14, 29) for providing a ventilation height and a lifting height. A drive (22) i.e. step motor, is provided for the ventilation device and the adjusting device. Ventilation shaft and lifting height adjusting device cam disks (20, 24) are arranged on a motor shaft (21) of the drive.

IPC 8 full level
D05B 29/02 (2006.01)

CPC (source: EP KR)
D05B 19/16 (2013.01 - KR); **D05B 29/00** (2013.01 - KR); **D05B 29/02** (2013.01 - EP KR)

Cited by
DE102018206088A1; EP2975169A1; DE102014213877A1; DE202015104412U1; CN106592117A; TWI681091B; EP3133198A1

Designated contracting state (EPC)
CZ DE

DOCDB simple family (publication)
EP 2105526 A1 20090930; EP 2105526 B1 20110713; CN 101545179 A 20090930; CN 101545179 B 20130403;
DE 102008016353 A1 20091008; JP 2009240771 A 20091022; JP 2014131779 A 20140717; JP 5530646 B2 20140625;
JP 5786062 B2 20150930; KR 101534862 B1 20150707; KR 20090103980 A 20091005

DOCDB simple family (application)
EP 09003246 A 20090306; CN 200910132425 A 20090327; DE 102008016353 A 20080329; JP 2009065872 A 20090318;
JP 2014086193 A 20140418; KR 20090026455 A 20090327