

Title (en)
Sewing machine

Title (de)
Nähmaschine

Title (fr)
Machine à coudre

Publication
EP 1777331 A1 20070425 (DE)

Application
EP 06020360 A 20060928

Priority
DE 102005049771 A 20051018

Abstract (en)
Sewing machine comprises a sensor (17) for determining the position of the presser foot (22) relative to the base plate (4) in the foot's lowered position, a sensor (34) for determining the thickness of the material to be sewn, and a control unit (20) for controlling the sewing machine in response to signals from the position sensor and thickness sensor.

IPC 8 full level
D05B 19/12 (2006.01); **D05B 27/04** (2006.01); **D05B 69/28** (2006.01)

CPC (source: EP KR)
D05B 19/12 (2013.01 - EP); **D05B 27/04** (2013.01 - EP); **D05B 29/00** (2013.01 - KR); **D05B 29/02** (2013.01 - KR); **D05B 69/28** (2013.01 - EP)

Citation (search report)

- [E] EP 1739221 A1 20070103 - DUERKOPP ADLER AG [DE]
- [A] EP 0205377 A1 19861217 - PROUVOST SA [FR]
- [A] US 4686917 A 19870818 - BRAUN OSKAR [DE]
- [A] DE 3333571 A1 19840322 - YAMATO SEWING MACHINE MFG [JP]

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 06020360 A 20060928; AT 06020360 T 20060928; CN 200610135537 A 20061018; DE 102005049771 A 20051018; DE 502006000313 T 20060928; JP 2006281434 A 20061016; KR 20060100714 A 20061017