

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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EP4060106A1; EP2366824A1; CN108442044A; CN107354601A; CN108914401A; US8833281B2; US8527083B2; WO2010144013A1; US9631304B2; US8463420B2; US8763543B2; DE202021101337U1

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)  
**EP 1777331 A1 20070425; EP 1777331 B1 20080123**; AT E384813 T1 20080215; CN 1952242 A 20070425; DE 102005049771 A1 20070419; DE 502006000313 D1 20080313; JP 2007111527 A 20070510; KR 20070042471 A 20070423

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