

Title (en)

METHOD AND DEVICE FOR CONTROLLING THE MOVEMENT OF A NEEDLE IN A SEWING MACHINE

Title (de)

VERFAHREN UND VORRICHTUNG ZUM STEUERN DER NADELBEWEGUNG BEI EINER NÄHMASCHINE

Title (fr)

PROCEDE ET DISPOSITIF POUR COMMANDER LE MOUVEMENT DE L'AIGUILLE D'UNE MACHINE A COUDRE

Publication

EP 1738007 B1 20120919 (DE)

Application

EP 04708295 A 20040205

Priority

- CH 2004000065 W 20040205
- CH 21402003 A 20031215

Abstract (en)

[origin: WO2005056903A1] The invention relates to a method and a device for controlling the movement of a needle in a sewing machine (1) based on a detection device (27) that detects the movements of the visible top side of the article to be sewn (3) which is manually displaceable. Stitching of the sewing machine (1) is controlled by means of detected changes of position of the product to be sewn (3) in connection with preset stitch length. The detection device (27) can be fully or partly integrated in a sewing foot (23)

IPC 8 full level

D05B 19/14 (2006.01); **D05B 19/16** (2006.01); **D05C 5/06** (2006.01); **D05B 29/06** (2006.01)

CPC (source: EP US)

D05B 19/14 (2013.01 - EP US); **D05B 29/06** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005056903 A1 20050623; CN 1894458 A 20070110; CN 1894458 B 20130904; EP 1738007 A1 20070103; EP 1738007 B1 20120919; JP 2007513656 A 20070531; US 2006213415 A1 20060928; US 7325502 B2 20080205

DOCDB simple family (application)

CH 2004000065 W 20040205; CN 200480037395 A 20040205; EP 04708295 A 20040205; JP 2006543339 A 20040205; US 44186706 A 20060526