

Title (en)
SEWING MACHINE FOOT AND SEWING MACHINE

Title (de)
NÄHMASCHINENFUSS UND NÄHMASCHINE

Title (fr)
PIED PRESSEUR DE MACHINE À COUDRE ET MACHINE À COUDRE

Publication
EP 2078774 A1 20090715 (EN)

Application
EP 06822892 A 20061102

Priority
JP 2006321974 W 20061102

Abstract (en)
A sewing machine foot of the invention includes: a foot mounting portion (44) for fixing to a pressing rod (14) of a sewing machine; a pressing portion (46) for pressing a sewing object product when a sewing needle (12) pierces; and an element guide groove (46) for guiding an element row (9) of a slide fastener (8) by inserting the element row therein, the sewing machine further including: a swing arm (47) which is supported by a foot mounting portion (44) swingably relative to the foot mounting portion (44) and swings in a vertical plane parallel to a sewing line (28) at the time of sewing; and urging means (52) disposed between the foot mounting portion (44) and the swing arm (47), for urging the swing arm (47) to the sewing object product relative to the foot mounting portion (44). Consequently, the element row (9) of the slide fastener (8) can be guided both when the sewing needle (12) pierces and when a seam is formed, so that a thick fabric (6) and a concealed slide fastener (8) which are difficult to sew together can be positioned accurately and sewed together.

IPC 8 full level
D05B 29/06 (2006.01)

CPC (source: EP KR)
D05B 15/00 (2013.01 - EP); **D05B 29/00** (2013.01 - KR); **D05B 29/06** (2013.01 - KR); **D05B 29/08** (2013.01 - EP); **D05B 35/064** (2013.01 - EP)

Cited by
US9062401B2; US8910583B2; TWI562841B

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 RS

DOCDB simple family (publication)
EP 2078774 A1 20090715; **EP 2078774 A4 20110105**; **EP 2078774 B1 20120822**; BR PI0621989 A2 201111227; BR PI0621989 B1 20180320; CN 101535548 A 20090916; CN 101535548 B 20131218; JP 5305917 B2 20131002; JP WO2008053558 A1 20100225; KR 101116971 B1 20120314; KR 20090074096 A 20090703; WO 2008053558 A1 20080508

DOCDB simple family (application)
EP 06822892 A 20061102; BR PI0621989 A 20061102; CN 200680056270 A 20061102; JP 2006321974 W 20061102; JP 2008541970 A 20061102; KR 20097011262 A 20061102