

Title (en)

Sewing machine embroidery presser and sewing machine

Title (de)

Nähmaschinen-Stickdruckvorrichtung und Nähmaschine

Title (fr)

Pied presseur de broderie pour machine à coudre et machine à coudre

Publication

EP 2518200 A2 20121031 (EN)

Application

EP 12165469 A 20120425

Priority

JP 2011099544 A 20110427

Abstract (en)

Disclosed is a sewing machine embroidery presser attached to a presser bar, in a sewing machine including a needle bar that has a needle holder for holding a needle and is vertically movable in the height direction, a presser bar vertically movable in the height direction, and a presser lifting lever for vertically moving the presser bar, the sewing machine embroidery presser including: a presser holder attached to a lower portion of the presser bar using a fixture; an operational arm that is attached to the presser holder and moved vertically by the needle bar or the needle holder to vertically move in the height direction; a presser foot that is vertically movably held by the presser holder to move in synchronization with the operational arm, faces a needle plate of the sewing machine, and presses a target workpiece; a presser spring that is provided in the presser holder and has a biasing force for biasing the presser foot toward the needle plate; and a subsidiary lever pivotably provided in the presser holder, the subsidiary lever including a cam surface having a cam profile for vertically moving the operational arm in response to pivoting, a fixing trench that engages with the operational arm to move the presser foot to the presser holder side and temporarily set the presser foot in a first height position raised from the needle plate, and an operating portion operated by the user's finger.

IPC 8 full level

D05B 29/12 (2006.01); **D05C 7/02** (2006.01)

CPC (source: EP)

D05B 29/06 (2013.01); **D05B 29/12** (2013.01); **D05C 7/02** (2013.01)

Citation (applicant)

- JP 2005058360 A 20050310 - BROTHER IND LTD
- JP 2006263170 A 20061005 - BROTHER IND LTD
- JP 2006263272 A 20061005 - BROTHER IND LTD

Cited by

EP2770099A1; CN113502615A; CN110485078A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2518200 A2 20121031; **EP 2518200 A3 20150610**; **EP 2518200 B1 20160810**; CN 202913202 U 20130501; JP 2012228431 A 20121122; JP 5810606 B2 20151111

DOCDB simple family (application)

EP 12165469 A 20120425; CN 201220188518 U 20120427; JP 2011099544 A 20110427