

Title (en)
Sewing machine and loop taker for sewing machine

Title (de)
Nähmaschine und Greifer-System für Nähmaschine

Title (fr)
Machine à coudre et crochet rotatif pour machine à coudre

Publication
EP 2050851 A1 20090422 (DE)

Application
EP 08016734 A 20080924

Priority
DE 102007050244 A 20071020

Abstract (en)
The machine has a gripper (8) supported on a base plate, and rotatably driven around an axle (9) in a rotating direction (45) by a gripper drive shaft (10). A capsule lifter (33) comprises a lifter arm (32) installed opposite to lifter cams (31), and a push button (36) loaded by a spring (37). The push button is installed on a rotatably driven radial cam (40), which is directly arranged at a lower side (38) of the gripper and opposite to the gripper in a non-rotatable manner. The radial cam comprises a thickness in a direction of the axle of the gripper drive shaft.

Abstract (de)
Ein Greifer-System für eine Nähmaschine weist an der Unterseite (38) des Greifers (8) eine dünne bzw. flache Steuerscheibe (39) mit auf ihrem Außenumfang ausgebildeter Steuerkurve (40) auf, gegen die ein Taster (36) eines Kapsel-Lüfters (33) anliegt.

IPC 8 full level
D05B 57/14 (2006.01); **D05B 57/26** (2006.01)

CPC (source: EP KR)
D05B 57/00 (2013.01 - KR); **D05B 57/08** (2013.01 - KR); **D05B 57/14** (2013.01 - KR); **D05B 57/143** (2013.01 - EP); **D05B 57/265** (2013.01 - EP)

Citation (applicant)
• EP 1576224 A1 20050921 - DUERKOPP ADLER AG [DE]
• US 6923130 B2 20050802 - HECKNER CHRISTOPH [DE], et al

Citation (search report)
• [X] DE 10025852 A1 20011129 - PAPAJEWSKI GERD [DE]
• [A] DE 10025851 C1 20020228 - DUERKOPP ADLER AG [DE]
• [A] JP 2002143588 A 20020521 - JUKI KK
• [A] DE 3244946 C1 19840426 - PFAFF IND MASCH [DE]
• [A] DE 872148 C 19530330 - MEFINA SA
• [A] DE 3446548 C1 19860109
• [AD] DE 10261339 C1 20031113 - DUERKOPP ADLER AG [DE]

Designated contracting state (EPC)
CZ DE RO

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2050851 A1 20090422; CN 101413187 A 20090422; DE 102007050244 A1 20090423; JP 2009101156 A 20090514;
KR 20090040243 A 20090423

DOCDB simple family (application)
EP 08016734 A 20080924; CN 200810169714 A 20081020; DE 102007050244 A 20071020; JP 2008265139 A 20081014;
KR 20080102713 A 20081020