

Title (en)
Sewing machine and loop taker system 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 2050852 B1 20101201 (DE)

Application
EP 08016735 A 20080924

Priority
DE 102007050243 A 20071020

Abstract (en)
[origin: EP2050852A1] The machine has a push button (37) fastened to a rotationally driving radial cam (39). The radial cam is rotationally driven around an axis (13) of a gripper drive shaft (14). The radial cam is formed at an outer periphery of a control disk (38). A capsule lifter (33) is rotatably mounted around an axis (35) perpendicular to the axis (13) of the gripper drive shaft. The radial cam exhibits different radial distances from the axis (13) for adapting to the axial movements of the push button in the direction of the gripper drive shaft. The cam is connected with a gripper in a torque proof manner.

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

CPC (source: EP 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); **D05B 57/38** (2013.01 - KR)

Designated contracting state (EPC)
CZ DE RO

DOCDB simple family (publication)
EP 2050852 A1 20090422; **EP 2050852 B1 20101201**; CN 101413188 A 20090422; CN 101413188 B 20121010;
DE 102007050243 A1 20090423; DE 502008001928 D1 20110113; JP 2009101154 A 20090514; JP 5183414 B2 20130417;
KR 101454029 B1 20141027; KR 20090040244 A 20090423

DOCDB simple family (application)
EP 08016735 A 20080924; CN 200810169715 A 20081020; DE 102007050243 A 20071020; DE 502008001928 T 20080924;
JP 2008265137 A 20081014; KR 20080102766 A 20081020