

Title (en)  
ENABLING AND DISABLING DEVICE FOR THE NEEDLE-CARRIER RODS AND PIERCER-CARRIER RODS ACCORDING TO A PRESETTABLE PROGRAM, IN PARTICULAR FOR A SHUTTLE EMBROIDERY MACHINE

Publication  
**EP 0230211 A3 19880113 (EN)**

Application  
**EP 86830154 A 19860606**

Priority  
IT 1912986 A 19860121

Abstract (en)  
[origin: EP0230211A2] A device for enabling and disabling of needle-carrier rods and piercer-carrier rods according to a presettable program is described, in particular for a shuttle embroidery machine. The device includes disengageable means for coupling said needle-carrier rods and said piercer-carrier rods to a single drive bar for reciprocating motion, each of said means being actuated by two rod assemblies, movable against the bias of resilient means, each of said rods of each of said assemblies extending rearwardly and laterally of said needle-carrier rods and of said piercer-carrier rods and being provided, at the lower end thereof, with substantially radially protruding portions, the protruding portions of the rods associated with the needle-carrier rods being offset relative to the protruding portions of the rods associated with the piercer-carrier rods, there being further provided means for simultaneous disabling of all the needle-carrier rods cooperating with the projecting parts of the rods associated therewith, and means for simultaneous disabling of all the piercer-carrier rods cooperating with the projecting parts a of the rods associated therewith, as well as disengageable means for temporarily locking in the inactive condition the rods associated with the needle-carrier rods and the rods associated with the piercer-carrier rods, said locking means separately cooperating with each of said protruding portions of the rods associated with the needle-carrier rods and of the rods associated with the piercer-carrier rods.

IPC 1-7  
**D05C 11/16**

IPC 8 full level  
**D05C 11/16** (2006.01)

CPC (source: EP)  
**D05C 11/16** (2013.01)

Citation (search report)  
• [A] DE 2732038 A1 19780202 - COMERIO ERCOLE SPA  
• [AD] FR 2499109 A1 19820806 - SAURER AG ADOLPH [CH]  
• [AD] DE 3047928 A1 19820701 - ZANGS AG MASCHF [DE]  
• [A] US 2649065 A 19530818 - LOUIS CASPER

Cited by  
EP0536090A3; EP0523443A1; CN114469282A; EP0349699A1

Designated contracting state (EPC)  
AT CH DE LI

DOCDB simple family (publication)  
**EP 0230211 A2 19870729; EP 0230211 A3 19880113; EP 0230211 B1 19900829**; AT E56055 T1 19900915; DE 3673798 D1 19901004; IT 1188284 B 19880107; IT 8619129 A0 19860121

DOCDB simple family (application)  
**EP 86830154 A 19860606**; AT 86830154 T 19860606; DE 3673798 T 19860606; IT 1912986 A 19860121