

Title (en)  
Multiple needle sewing machine

Title (de)  
Vielnadelnähmaschine

Title (fr)  
Machine à coudre à aiguilles multiples

Publication  
**EP 0743387 A3 19970723 (DE)**

Application  
**EP 96107897 A 19960517**

Priority  
DE 19518063 A 19950517

Abstract (en)  
[origin: EP0743387A2] A multi-needle machine comprises: (a) needle beam(s) (4, 5, 6) and fastening devices for the individual needles (7, 8, 9); and (b) gripper shaft(s) (13, 14, 15) carrying gripper hook holders (36) with gripper hooks (16, 17, 18); where: (i) the machine has: (A) manually operated high-speed locking devices between each needle (7, 8, 9), or (B) a needle holder (28) for each needle and the needle beam (4, 5, 6) and/or between the gripper hook (36) of every gripper hook, or every gripper hook (16, 17, 18) and the gripper shaft (13, 14, 15).

IPC 1-7  
**D05B 11/00**; **D05B 55/10**; **D05B 57/00**

IPC 8 full level  
**D05B 55/12** (2006.01); **D05B 57/02** (2006.01); **D05C 11/04** (2006.01)

CPC (source: EP US)  
**D05B 55/12** (2013.01 - EP US); **D05B 57/02** (2013.01 - EP US); **D05C 11/04** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)  
CH DE FR GB IT LI

DOCDB simple family (publication)  
**EP 0743387 A2 19961120**; **EP 0743387 A3 19970723**; DE 19518063 A1 19961121; DE 19518063 C2 19971023; US 5718180 A 19980217

DOCDB simple family (application)  
**EP 96107897 A 19960517**; DE 19518063 A 19950517; US 64867996 A 19960516