

Title (en)
Embroidering machine with shuttles.

Title (de)
Schiffchenstickmaschine.

Title (fr)
Machine à broder à navettes.

Publication
EP 0193625 A1 19860910 (DE)

Application
EP 85102372 A 19850302

Priority
EP 85102372 A 19850302

Abstract (en)
1. An embroidery machine having a number of embroidery needles disposed in at least one row on a common needle bar or on individually displaceable needle bars of a common needle bar carrier, there being associated with each needle : a shuttle for the back yarn, such shuttle being disposed on the opposite side of the material for embroidery, such material being clamped in an embroidery frame, and being driven in dependence upon needle movement ; and at least one yarn giver which supplies the front yarn to the associated needle and which is also driven in dependence upon needle movement, the movement pattern of the shuttles, which are reciprocated in guides by drive pins disposed on a common drive beam, and the movement pattern of the yarn givers differing from one another and from the needle movement, characterised in that a respective driving motor (46, 47, 48) is provided to drive the embroidery needles (15), shuttle drive beam (27) and yarn givers (16, 17) and the driving movement of each such motor to either hand is adapted to the respective required movement pattern for the needles (15), shuttles (18) and givers (16, 17) and is variable in accordance with the embroidery program as regards both its own movement pattern and also in relation to the movement pattern of the other motors by a central control unit.

Abstract (de)
Schiffchenstickmaschine wobei jeder Maschinenfunktion (Nadelbewegung, Schiffchenbewegung, Fadengebung) jeweils ein eigener elektrischer Antriebsmotor zugeordnet ist. Alle Motoren werden durch eine zentrale Steuereinheit gesteuert entsprechend dem jeweiligen Stickprogramm.

IPC 1-7
D05C 3/04

IPC 8 full level
D05C 3/04 (2006.01)

CPC (source: EP)
D05C 3/04 (2013.01)

Citation (search report)
[X] DE 3222716 A1 19831215 - AWF I ARBEITSWISSENSCHAFTLICHES [DE], et al

Cited by
DE102010021336A1; DE102005058520A1; DE102008019467A1; DE102008019467B4; DE102008035434A1; EP0267743A3;
DE102008035434B4; DE4241200A1; US5410974A; EP0601343A3; DE102010021336B4; EP0601343A2

Designated contracting state (EPC)
AT DE

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 85102372 A 19850302; AT 85102372 T 19850302; CH 266285 A 19850621; DE 3564829 T 19850302