

Title (en)  
Embroidery machine with central drive.

Title (de)  
Stickmaschine mit Mitten-Antrieb.

Title (fr)  
Métier à broder à entraînement central.

Publication  
**EP 0601343 A3 19941207 (DE)**

Application  
**EP 93118107 A 19931109**

Priority  
DE 4241200 A 19921208

Abstract (en)  
[origin: EP0601343A2] The subject-matter of the invention is an embroidery machine having a multiplicity of embroidering points with the corresponding embroidery tools (13,19,20,21) which are attached on shafts (5,6,7) which extend along the embroidery machine, oscillate in the operating state and are set in motion by means of corresponding drives. In order to reduce the torsion of these shafts, some of which are quite long, and their torsional vibrations, which leads to distortion of the movement required at the embroidery tools and to a temporal phase shift between the front and rear part of the machine, according to the invention the drives of the needles (19) and other embroidery tools (13,20,21) are provided about halfway along the embroidery machine. <IMAGE>

IPC 1-7  
**D05C 11/06**

IPC 8 full level  
**D05C 3/04** (2006.01); **D05C 11/00** (2006.01)

CPC (source: EP KR US)  
**D05B 69/10** (2013.01 - KR); **D05C 3/04** (2013.01 - EP KR US)

Citation (search report)  
• [XY] US 2649065 A 19530818 - LOUIS CASPER  
• [DY] EP 0193625 A1 19860910 - MOTEMA TEXTILMASCHINEN GMBH [DE]

Cited by  
DE102010021336A1; DE102010021336B4

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

DOCDB simple family (publication)  
**DE 4241200 A1 19940609**; EP 0601343 A2 19940615; EP 0601343 A3 19941207; JP H06207366 A 19940726; KR 940015013 A 19940719; US 5410974 A 19950502

DOCDB simple family (application)  
**DE 4241200 A 19921208**; EP 93118107 A 19931109; JP 30286793 A 19931202; KR 930026670 A 19931207; US 16160693 A 19931206