

Title (en)  
MULTI-HEAD SEWING MACHINE

Title (de)  
MEHRKÖPFIGE NÄHMASCHINE

Title (fr)  
MACHINE A COUDRE A TETES MULTIPLES

Publication  
**EP 1703007 A1 20060920 (EN)**

Application  
**EP 04807748 A 20041224**

Priority  
• JP 2004019392 W 20041224  
• JP 2003434724 A 20031226

Abstract (en)  
A plurality of groups of fixation members (10a, 10b, 11a - 11d) are provided for releasably fixing a working fabric (N) to a fabric frame, and fixation and release of the working fabric relative to the fabric frame is locally executable separately for each of the groups. Thus, fixation of the working fabric can be released only at an inappropriately-stretched region of the fabric with the remaining regions kept fixed. Therefore, a human operator can pull the thus-released region into an appropriately-stretched condition relative to the fabric frame and then fix the released region by means of the corresponding fixation member. In this way, the human operator can fix the working fabric in an appropriate stretched-taut condition by just pulling the fabric only at the released region.

IPC 8 full level  
**D05C 9/06** (2006.01); **D05B 39/00** (2006.01); **D05C 9/04** (2006.01); **D05C 9/22** (2006.01)

CPC (source: EP KR)  
**D05B 39/00** (2013.01 - KR); **D05B 39/005** (2013.01 - EP); **D05C 9/04** (2013.01 - EP); **D05C 9/06** (2013.01 - KR); **D05C 9/22** (2013.01 - EP KR)

Designated contracting state (EPC)  
DE IT TR

DOCDB simple family (publication)  
**EP 1703007 A1 20060920**; **EP 1703007 A4 20130123**; CN 1863959 A 20061115; JP 2005185775 A 20050714; KR 100804144 B1 20080220; KR 20060090269 A 20060810; WO 2005064062 A1 20050714

DOCDB simple family (application)  
**EP 04807748 A 20041224**; CN 200480029110 A 20041224; JP 2003434724 A 20031226; JP 2004019392 W 20041224; KR 20067009579 A 20060517