

Title (en)
Device and method for producing leno fabrics

Title (de)
Vorrichtung und Verfahren zum Herstellen von Drehergeweben

Title (fr)
Dispositif et procédé pour la fabrication des tissus de gaze

Publication
EP 1348786 A1 20031001 (DE)

Application
EP 03405123 A 20030225

Priority
• EP 03405123 A 20030225
• EP 02405233 A 20020326

Abstract (en)
The leno yarn (3) is moved vertically by eyelets (9), preferably held in shafts, and horizontally by flexible needles (8). The needles (8) are located in a needle bar (6) between the guides (7) for the stationary yarn (4). A rail (8a) gives horizontal movement to one end of the needles (8). The needles (8) are bent to allow them to clear the guides (7) and can have a wider guide section to reduce the amount of movement required. An Independent claim is also included for the weaving process incorporating the steps of raising the leno yarn (3) above the guide (7), displacing it sideways with the needle (8), and lowering it into the gap between the guides (7). A weft yarn is then inserted into the shed formed by the leno yarn (3) and the stationary yarn (4) and beaten up with the reed (2). The sequence is then repeated alternately. The needle bar (6) is raised to form the shed and then lowered again.

Abstract (de)
Die Vorrichtung (1) zum Herstellen von Drehergeweben in einer Webmaschine umfasst eine Nadelbarre (6) zur Führung von Steherfäden (4) und bewegbare Dreherlamellen (8) für den seitlichen Versatz von Dreherfäden (3) sowie vertikal bewegbare Führungsmittel (9) für die vertikale Bewegung der Dreherfäden (3). Die Webmaschine umfasst ein Riet (2), wobei die Nadelbarre (6) und die bewegbaren Dreherlamellen (8) vor dem Riet (2) angeordnet sind. <IMAGE>

IPC 1-7
D03C 7/00; **D03C 7/06**

IPC 8 full level
D03C 7/00 (2006.01); **D03C 7/06** (2006.01)

CPC (source: EP)
D03C 7/00 (2013.01); **D03C 7/06** (2013.01)

Citation (search report)
• [A] DE 296759 C
• [A] DE 530724 C 19310731 - PAUL REIHER
• [A] EP 1120485 A2 20010801 - DORNIER GMBH LINDAUER [DE]
• [AD] EP 1101850 A1 20010523 - SULZER TEXTIL AG [CH]
• [AD] WO 0003077 A1 20000120 - GRIFFITH TEXTILE MACH LTD [GB], et al
• [A] DE 466340 C 19281006 - GROSSENHAINER WEBSTUHL & MASCH

Cited by
EP1724381A1; US7451788B2

Designated contracting state (EPC)
BE DE IT

DOCDB simple family (publication)
EP 1348786 A1 20031001

DOCDB simple family (application)
EP 03405123 A 20030225