

Title (en)
MECHANICAL LOOM

Title (de)
WEBMASCHINE

Title (fr)
METIER MECANIQUE

Publication
EP 0850328 B1 20020313 (DE)

Application
EP 96924727 A 19960806

Priority
• CH 9600273 W 19960806
• DE 29514298 U 19950906

Abstract (en)
[origin: WO9709477A1] In the mechanical loom described, a weft insertion needle (28) feeds a loop of weft thread (30) into a shed (26). On the opposite side of the shed is a knitting needle (32) which ties the loop of weft thread (30). The weft insertion needle (28) and the knitting needle (32) are disposed such that the side (56) of the loop of weft thread (56) to be caught by the knitting needle (32) lies below or, at the highest, at the same level as the head (62) of the knitting needle (32). The head (62) of the knitting needle (32) is associated, in the position in which it catches the thread, with a guide plate (52) with a guide cam (54, 72) such that the side (56) of the loop of weft thread to be caught is passed over the head (62) of the knitting needle and into the hook (64) of the knitting needle when the weft insertion needle (28) is run out. In order to improve the weaving operation and the woven product, the guide plate (52) is located on the side of the knitting needle (32) opposite to the shed (26).

IPC 1-7
D03D 47/42

IPC 8 full level
D03D 47/00 (2006.01); **D03D 47/42** (2006.01)

CPC (source: EP KR US)
D03D 47/42 (2013.01 - EP KR US)

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

DOCDB simple family (publication)
DE 29514298 U1 19951026; DE 59608881 D1 20020418; EP 0850328 A1 19980701; EP 0850328 B1 20020313; ES 2170249 T3 20020801; JP H11512156 A 19991019; KR 100415890 B1 20040510; KR 19990028606 A 19990415; TR 199800405 T1 19980521; US 5954098 A 19990921; WO 9709477 A1 19970313

DOCDB simple family (application)
DE 29514298 U 19950906; CH 9600273 W 19960806; DE 59608881 T 19960806; EP 96924727 A 19960806; ES 96924727 T 19960806; JP 51072697 A 19960806; KR 19970709928 A 19971230; TR 9800405 T 19960806; US 1128798 A 19980211