

Title (en)
RIBBON LOOM

Publication
EP 0121648 B1 19860604 (DE)

Application
EP 84100266 A 19840112

Priority
CH 145183 A 19830316

Abstract (en)
[origin: US4541461A] The ribbon loom comprises a weft thread insertion needle arranged at one side of the warp threads for inserting at least one loop or bight of a weft thread into the weaving or loom shed formed by the warp threads. The weft thread insertion needle has a longitudinal slit throughout almost its entire length. The weft thread insertion needle is also provided with a hook which, exterior to the longitudinal slit, is located at least approximately in the plane of motion of the weft thread insertion needle and is oriented toward the thread guide for the weft threads. The tip or point of the hook is arranged in the proximity of the free end of the weft thread insertion needle and points toward such free end. This results in an especially slender design of weft thread insertion needle and a reliable engagement of the weft thread or threads on the hook solely by means of the thread guide without any supplementary or auxiliary device.

IPC 1-7
D03D 47/06; **D03D 35/00**

IPC 8 full level
D03D 35/00 (2006.01); **D03D 47/06** (2006.01); **D03D 47/38** (2006.01)

CPC (source: EP US)
D03D 35/00 (2013.01 - EP US); **D03D 47/06** (2013.01 - EP US); **D03D 47/38** (2013.01 - EP US)

Cited by
US7451787B2; US7857012B2; WO9426964A1; WO2007038883A1

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

DOCDB simple family (publication)
EP 0121648 A1 19841017; **EP 0121648 B1 19860604**; DE 3320925 A1 19841011; DE 3320925 C2 19850411; DE 3460180 D1 19860710; JP S59173339 A 19841001; JP S6113022 B2 19860411; US 4541461 A 19850917

DOCDB simple family (application)
EP 84100266 A 19840112; DE 3320925 A 19830609; DE 3460180 T 19840112; JP 621284 A 19840117; US 58632284 A 19840305