

Title (en)

PROCESS AND AUTOMATIC BASTING APPARATUS FOR MAKING PRODUCTS WITH A MULTIDIRECTIONAL WOVEN ARMATURE

Publication

**EP 0046120 B1 19831228 (FR)**

Application

**EP 81401281 A 19810810**

Priority

FR 8017666 A 19800811

Abstract (en)

[origin: US4393669A] The invention relates to the manufacture of woven pieces made by multidirectional weaving. A woven piece comprises, along one of the directions of weaving, temporary vertical rods which must be replaced by yarns joined to form a strand. The apparatus comprises to this end an upper assembly for detecting the position of the rods of the piece, rotating step by step, and actuating a needle with opening eye which, on descending through the woven piece, chases the rods one by one and hooks, in a lower assembly, a loop of the lacing strand and returns it into the woven piece in place of the chase rod.

IPC 1-7

**D03D 41/00**

IPC 8 full level

**D04B 23/10** (2006.01); **D03D 41/00** (2006.01); **D04B 25/02** (2006.01)

CPC (source: EP US)

**D03D 41/004** (2013.01 - EP US)

Cited by

EP0281446A1; FR2610952A1; EP0098762A1; FR2529589A1; EP0101351A3; FR2531459A1

Designated contracting state (EPC)

DE GB IT

DOCDB simple family (publication)

**EP 0046120 A1 19820217**; **EP 0046120 B1 19831228**; CA 1158450 A 19831213; DE 3161789 D1 19840202; FR 2488291 A1 19820212; FR 2488291 B1 19860418; JP S5761743 A 19820414; JP S6032735 B2 19850730; US 4393669 A 19830719

DOCDB simple family (application)

**EP 81401281 A 19810810**; CA 369516 A 19810128; DE 3161789 T 19810810; FR 8017666 A 19800811; JP 12582881 A 19810811; US 22897081 A 19810127