

Title (en)
GRIPPER FOR WEFT INSERTION IN A GRIPPER WEAVING MACHINE

Publication
EP 0233142 B1 19891011 (DE)

Application
EP 87810030 A 19870119

Priority
CH 67086 A 19860213

Abstract (en)
[origin: US4736777A] The rapier is constructed so that the tongue is guided at one end by an articulated connection to the actuating lever and at the opposite end in the hook. Guide surfaces for the tongue in the casing are eliminated. A compression spring biases the tongue into the hook and a second spring biases the tongue tip against one flank of the hook.

IPC 1-7
D03D 47/23

IPC 8 full level
D03D 47/20 (2006.01); **D03D 47/23** (2006.01)

CPC (source: EP US)
D03D 47/236 (2013.01 - EP US)

Cited by
EP0394749A1; EP0822279A1; EP0311945A1; EP0695820A1; US5558133A

Designated contracting state (EPC)
BE DE FR IT

DOCDB simple family (publication)
EP 0233142 A1 19870819; EP 0233142 B1 19891011; CH 669220 A5 19890228; DE 3760744 D1 19891116; JP H0772383 B2 19950802; JP S62191545 A 19870821; SU 1524812 A3 19891123; US 4736777 A 19880412

DOCDB simple family (application)
EP 87810030 A 19870119; CH 67086 A 19860213; DE 3760744 T 19870119; JP 3062087 A 19870212; SU 4028973 A 19870211; US 1110887 A 19870205