

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

Publication  
**EP 0235078 B1 19900613 (DE)**

Application  
**EP 87810029 A 19870119**

Priority  
CH 67186 A 19860213

Abstract (en)  
[origin: US4739805A] The rapier has a tongue tip which is guided positively in an insert within a grip hook in directions perpendicular to the plane in which the hook is disposed. A mating groove and projection arrangement is disposed between the tongue tip and a flank of the shaped insert within the hook in order to preclude transverse movements of the tongue tip relative to the hook insert. A clamping plate is disposed on the side of the tongue tip to enhance the positive guiding of the tongue tip within the hook insert.

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  
EP0576074A1; US5348057A; EP0571025A1; US5341852A; WO0012797A1; WO0127369A1

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BE DE FR IT

DOCDB simple family (publication)  
**EP 0235078 A1 19870902; EP 0235078 B1 19900613**; CH 670262 A5 19890531; DE 3763203 D1 19900719; JP H0772382 B2 19950802; JP S62191544 A 19870821; SU 1544193 A3 19900215; US 4739805 A 19880426

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**EP 87810029 A 19870119**; CH 67186 A 19860213; DE 3763203 T 19870119; JP 3061987 A 19870212; SU 4028972 A 19870211; US 1115787 A 19870205