

Title (en)
Weft insertion apparatus for rapier loom

Title (de)
Schusseintragsvorrichtung für Greiferwebmaschinen

Title (fr)
Dispositif d'insertion de la trame pour métier à tisser à griffes

Publication
EP 1209267 B1 20060726 (EN)

Application
EP 01124172 A 20011010

Priority
JP 2000311866 A 20001012

Abstract (en)
[origin: EP1209267A2] Disclosed is a weft insertion apparatus in which it is possible to achieve an improvement in the traveling stability of the rapier head even in a construction which adopts a guide guiding the rapier head or the rapier band only underneath the same inside the warp opening. The height position of guide position (163) in a first rapier guide (16A) outside the warp opening is set to be above the height position of guide edges (191) of second rapier guides (19) inside the warp opening. A delivery rapier head (11) linearly moves on the guide edges (191). The first rapier guide (16A) guides the widthwise end portions of a rapier band (13A), and the second rapier guides (19) guide the lower surface (204) of a reinforcing recessed frame (20) formed in the forward end portion of the rapier band (13A). <IMAGE> <IMAGE>

IPC 8 full level
D03D 47/27 (2006.01)

CPC (source: EP KR)
D03D 47/233 (2013.01 - EP); **D03D 47/236** (2013.01 - EP); **D03D 47/27** (2013.01 - KR); **D03D 47/272** (2013.01 - EP); **D03D 47/277** (2013.01 - EP)

Cited by
CN109322045A; BE1022753B1; EP1688521A1; EP1749912A1

Designated contracting state (EPC)
BE DE IT

DOCDB simple family (publication)
EP 1209267 A2 20020529; EP 1209267 A3 20030502; EP 1209267 B1 20060726; CN 1287025 C 20061129; CN 1349009 A 20020515; DE 60121702 D1 20060907; DE 60121702 T2 20070802; JP 2002115152 A 20020419; JP 4595187 B2 20101208; KR 100428824 B1 20040429; KR 20020029298 A 20020418; TW 508384 B 20021101

DOCDB simple family (application)
EP 01124172 A 20011010; CN 01143150 A 20011012; DE 60121702 T 20011010; JP 2000311866 A 20001012; KR 20010058286 A 20010920; TW 90122221 A 20010907