Title (en)

Method and apparatus for forming packs of stirrups and pack of stirrups thus formed

Title (de)

Verfahren und Vorrichtung zum Formen von Bündeln von Bewehrungsbügeln und so hergestelltes Bündel

Title (fr)

Méthode et dispositif pour la fabrication des paquets des étriers de renfort et paquet fabriqué

Publication

EP 1378301 A3 20040915 (EN)

Application

EP 03014544 A 20030704

Priority

- IT BO20020438 A 20020705
- IT BO20020652 A 20021015

Abstract (en)

[origin: EP1378301A2] A method for forming packs (10) of stirrups (12), entails arranging or picking up at least one first stirrup (12) at a front input region (E) and picking up the stirrup (12) by way of grip and welding means (5) that can move along a longitudinal direction with respect to the aid input region (E). Then the alternating movement of the grip and welding means (5) into a forward position is produced in order to draw the stirrup (12) into the same forward position. At least one longitudinal auxiliary rod (11) is fixed externally to the stirrup (12), which is retained by the grip and welding means (5). A series of additional stirrups (12), picked up in succession by the grip and welding means (5) at the input region (E), is arranged adjacent to the first stirrup (12) drawn into the forward position, so as to form a pack (10) of stirrups (12). The longitudinal auxiliary rod (11) is fixed externally to at least the last stirrup (12) and finally is cut ahead of the resulting pack (10). The invention also concerns an apparatus for forming packs of stirrups and a pack of stirrups thus formed. <IMAGE>

IPC 1-7

B21F 27/00; B21F 27/12

IPC 8 full level

B21F 27/00 (2006.01); **B21F 27/12** (2006.01)

CPC (source: EP)

B21F 27/00 (2013.01); **B21F 27/125** (2013.01)

Citation (search report)

[A] EP 0811442 A1 19971210 - SCHNELL SPA [IT]

Cited by

EP1864727A1; CN106829025A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1378301 A2 20040107; **EP 1378301 A3 20040915**; **EP 1378301 B1 20060607**; AT E328684 T1 20060615; DE 60305799 D1 20060720

DOCDB simple family (application)

EP 03014544 A 20030704; AT 03014544 T 20030704; DE 60305799 T 20030704