

Title (en)
RIVET FEED DEVICE

Title (de)
NIETENZUFÜHRUNG

Title (fr)
DISPOSITIF D'ALIMENTATION EN RIVETS

Publication
EP 0768927 A1 19970423 (DE)

Application
EP 95925818 A 19950704

Priority
• DE 4423165 A 19940704
• EP 9502580 W 19950704

Abstract (en)
[origin: DE4423165A1] The disclosure is of a device for feeding fastening elements (1-6) with a shaft and head, such as rivets or similar articles (and in particular those whose shaft length is in particular equal to or less than the head diameter), to a tappet (18) (adapted to the rivet head) of a riveting machine (10) with a transfer mechanism (20) which uses a fluid stream to bring one fastening element (1-6) at a time into an intermediate position near the tappet (18). In order to achieve a precise axial alignment of each fastening element (1-6) in front of the tappet, it is proposed that a radially elastic holding unit (60) capable of moving with the tappet should be provided in the riveting machine (10) (the holding unit must be able to hold the head (7) in its axial alignment directly against the tappet); and that the transfer mechanism (20) should be provided with means which allow a fastening element (1-6) to enter the holding device (60).

IPC 1-7
B21J 15/32

IPC 8 full level
B21J 15/32 (2006.01)

CPC (source: EP KR US)
B21J 15/32 (2013.01 - EP KR US)

Citation (search report)
See references of WO 9601161A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
DE 4423165 A1 19960111; DE 4423165 C2 19960620; AU 2980995 A 19960125; AU 699299 B2 19981126; CA 2194145 A1 19960118; DE 19580742 D2 19990311; EP 0768927 A1 19970423; JP 2000516538 A 20001212; KR 970704530 A 19970906; TW 326006 B 19980201; US 5964393 A 19991012; WO 9601161 A1 19960118

DOCDB simple family (application)
DE 4423165 A 19940704; AU 2980995 A 19950704; CA 2194145 A 19950704; DE 19580742 T 19950704; EP 9502580 W 19950704; EP 95925818 A 19950704; JP 50367396 A 19950704; KR 19970700005 A 19970103; TW 84107199 A 19950712; US 76535997 A 19970319