

Publication

EP 0565302 A3 19940831

Application

EP 93302559 A 19930331

Priority

- GB 9207716 A 19920408
- GB 9212039 A 19920606
- GB 9212406 A 19920611
- GB 9225967 A 19921210

Abstract (en)

[origin: EP0565302A2] A fastener carrier tape (1), for fasteners (4), such as rivets, with a shank (15) and relatively enlarged head (16), incorporates successive fastener retention apertures (5) with supplemental peripheral weakening slits or cut-outs (6), to promote controlled tape deformation and failure and thus controlled discharge of the fastener head through the tape and retain fastener orientation; and supplementary tape indexing apertures (8) corresponding to the fastener retention apertures for fastener positioning. <IMAGE>

IPC 1-7

B65D 73/02; **B21J 15/32**

IPC 8 full level

B21J 15/00 (2006.01); **B21J 15/28** (2006.01); **B21J 15/32** (2006.01); **B21J 15/36** (2006.01); **B23P 19/00** (2006.01); **B25C 1/00** (2006.01); **B65D 73/02** (2006.01); **B65D 85/00** (2006.01); **B65G 47/74** (2006.01)

CPC (source: EP)

B21J 15/32 (2013.01); **B21J 15/323** (2013.01); **B25C 1/001** (2013.01); **B65D 73/02** (2013.01)

Citation (search report)

- [Y] FR 2317542 A1 19770204 - HELFER & CO KG FEINWERKBAU [DE]
- [Y] WO 8404710 A1 19841206 - FURMA MFG CO PTY LTD [AU]
- [A] US 3977522 A 19760831 - VAN DER AKER CORNELIS GUALTHER, et al

Cited by

US5890405A; FR2820349A1; US7654389B2; AU2005237976B2; WO2013152440A1; WO9810900A3; US8366850B1; US10093476B2; US11186425B2

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)

EP 0565302 A2 19931013; **EP 0565302 A3 19940831**; AU 3681393 A 19931014; CA 2093376 A1 19931009; GB 2265878 A 19931013; GB 9307216 D0 19930526; JP H0639474 A 19940215; MX 9302047 A 19940831

DOCDB simple family (application)

EP 93302559 A 19930331; AU 3681393 A 19930406; CA 2093376 A 19930405; GB 9307216 A 19930401; JP 8178493 A 19930408; MX 9302047 A 19930407