

Title (en)

FEEDER DEVICE FOR A FIXING ELEMENT AND METHOD FOR THE OPERATION THEREOF

Title (de)

ZUFÜHRVORRICHTUNG FÜR EIN BEFESTIGUNGSELEMENT UND VERFAHREN FÜR IHREN BETRIEB

Title (fr)

DISPOSITIF D'AMENEE POUR UN ELEMENT DE FIXATION ET PROCEDE POUR SON FONCTIONNEMENT

Publication

**EP 1446255 A1 20040818 (DE)**

Application

**EP 02790374 A 20021114**

Priority

- DE 10157183 A 20011122
- EP 0212750 W 20021114

Abstract (en)

[origin: DE10157183C1] The input device has a positioning piston (6) and trapping grips (5). A casing (3) holds the positioning piston and the trapping grips. There is an input channel to take the fixing elements to the trapping grips. As the piston moves back and forth, the trapping grips open and close more or less independently of the forward motion of the fixing elements (2).

IPC 1-7

**B23K 9/20**

IPC 8 full level

**B23K 9/20** (2006.01)

CPC (source: EP US)

**B23K 9/206** (2013.01 - EP US)

Citation (search report)

See references of WO 03043772A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**DE 10157183 C1 20030220**; EP 1446255 A1 20040818; JP 2005509526 A 20050414; US 2004245220 A1 20041209; US 7262383 B2 20070828; WO 03043772 A1 20030530

DOCDB simple family (application)

**DE 10157183 A 20011122**; EP 0212750 W 20021114; EP 02790374 A 20021114; JP 2003545437 A 20021114; US 49516604 A 20040722