

Publication

EP 0570921 A3 19940309

Application

EP 93108113 A 19930518

Priority

IT VI920087 A 19920522

Abstract (en)

[origin: EP0570921A2] The manipulator is of the type capable of making accurate rotational and translational movements with sheet materials so that mechanical operations such as the bending of the edges can be carried out, characterized in that it comprises a table for supporting and holding the sheets (27), the table having a leg (2), the leg acting by means of an adhesive action of the reversible type upon the same. The adhesive action may be of the magnetic and/or pneumatic type.

IPC 1-7

B21D 43/10; **B21D 43/18**; **B21D 5/02**

IPC 8 full level

B21D 43/10 (2006.01); **B21D 43/18** (2006.01); **B25J 15/06** (2006.01); **B21D 5/02** (2006.01); **B65H 3/08** (2006.01); **B65H 3/16** (2006.01); **B65H 5/00** (2006.01); **B65H 5/14** (2006.01)

CPC (source: EP)

B21D 43/18 (2013.01)

Citation (search report)

- [X] JP S59175968 A 19841005 - TOYO KOHAN CO LTD
- [X] DE 2034518 A1 19720120
- [X] GB 1358832 A 19740703 - RONEO VICKERS LTD, et al
- [Y] DE 3405322 A1 19850829 - MENGELE & SOEHNE MASCH KARL [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 12, no. 424 (M-761)(3271) 10 November 1988 & JP-A-63 160 725 (AMADA) 4 July 1988

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 0570921 A2 19931124; **EP 0570921 A3 19940309**; IT 1258583 B 19960227; IT VI920087 A0 19920522; IT VI920087 A1 19931122; JP H0691575 A 19940405

DOCDB simple family (application)

EP 93108113 A 19930518; IT VI920087 A 19920522; JP 12166593 A 19930524