

Title (en)
Compressed air system for clamping and unclamping cornice brake tools

Title (de)
Druckluftsystem für Ein- und Ausspannvorrichtung von Gesimsbiegewerkzeugen

Title (fr)
Système à air pour le serrage et déserrage d'outils de pliage pour corniche

Publication
EP 0754506 A2 19970122 (EN)

Application
EP 96201947 A 19960711

Priority
IT MI951546 A 19950717

Abstract (en)
In the cornice brake are present rows of punches, dies and modular units constituting extensions of punches and clamping jaws for said punches and extensions. The compressed air system is characterized in that: clamping of the jaws takes place through bolts put in tension by means of compressed air cylinder actuators; supply of the compressed air cylinders of the actuators takes place through ducts made inside the body of the jaws and/or said extensions and through tubes running between jaws and/or said extensions of each side-by-side pair; and the tubes running between said extensions are metal tubes with straight horizontal axis partly running between extensions of each side-by-side pair and partly inserted in cavities made in the sides of said extensions with the capability of airtight running within said cavities. <IMAGE>

IPC 1-7
B21D 5/02

IPC 8 full level
B21D 5/02 (2006.01)

CPC (source: EP)
B21D 5/0209 (2013.01); **B21D 5/0236** (2013.01)

Cited by
CN105728507A; CN106881404A; CN106424233A; EP1155757A3; EP0934782A3; EP3210684A1; US6003360A; AU746570B2; US6557390B2; WO02092253A3; WO9901240A1

Designated contracting state (EPC)
AT BE CH DE ES FR GB LI NL PT SE

DOCDB simple family (publication)
EP 0754506 A2 19970122; EP 0754506 A3 19970205; EP 0754506 B1 20001011; AT E196863 T1 20001015; DE 69610593 D1 20001116; DE 69610593 T2 20010531; ES 2150629 T3 20001201; IT 1275562 B 19970807; IT MI951546 A0 19950717; IT MI951546 A1 19970117

DOCDB simple family (application)
EP 96201947 A 19960711; AT 96201947 T 19960711; DE 69610593 T 19960711; ES 96201947 T 19960711; IT MI951546 A 19950717