

Title (en)

Pneumatic control system for quick clamping of cornice brake tools

Title (de)

Pneumatisches Steuersystem zum Schnellspannen von Gesimsbiegewerkzeugen

Title (fr)

Système de commande pneumatique pour le serrage rapide des outils de pliage pour corniche

Publication

EP 1155757 A2 20011121 (EN)

Application

EP 01201783 A 20010514

Priority

IT MI20001083 A 20000516

Abstract (en)

The quick tool clamping system of the present invention relates to a cornice brake in which there are rows of punches and dies and modular units consisting of intermediates and clamping jaws for the intermediates and jaws for clamping punches, with the latter being operated by actuators driven by pneumatic cylinders, and is characterized in that: a) in the intermediates and the jaws clamping the intermediates to the cursor of the press there are channels for feeding of the fluid under pressure to the actuator cylinder, b) said channels lead to at least one hole opening onto the opposing surfaces of each pair of intermediates and associated clamping jaw, c) on at least one of the two opposing surfaces of each pair of intermediates and associated clamping jaw the associated hole opens onto a groove running horizontally in the surface and positioned at the same level as the hole opening onto the opposing surface, and d) in the circuit for supplying the fluid under pressure to every intermediate a valve is inserted designed to intercept the flow of fluid towards the intermediate. <IMAGE>

IPC 1-7

B21D 5/02

IPC 8 full level

B21D 5/02 (2006.01)

CPC (source: EP US)

B21D 5/0209 (2013.01 - EP US); **B21D 5/0236** (2013.01 - EP US)

Cited by

EP3210684A1; WO2012122580A1

Designated contracting state (EPC)

DE ES FR GB

DOCDB simple family (publication)

EP 1155757 A2 20011121; **EP 1155757 A3 20021009**; **EP 1155757 B1 20060329**; DE 60118296 D1 20060518; DE 60118296 T2 20060831; ES 2259003 T3 20060916; IT 1317545 B1 20030709; IT MI20001083 A0 20000516; IT MI20001083 A1 20011116; US 2002023477 A1 20020228

DOCDB simple family (application)

EP 01201783 A 20010514; DE 60118296 T 20010514; ES 01201783 T 20010514; IT MI20001083 A 20000516; US 85476901 A 20010514