

Title (en)

DEVICE FOR THE STEPPED DISPLACEMENT OF WORKPIECES

Title (de)

VORRICHTUNG ZUM SCHRITTWEISEN VERSCHIEBEN VON WERKSTÜCKEN

Title (fr)

DISPOSITIF POUR LE DEPLACEMENT PAS A PAS DE PIECES A USINER

Publication

EP 1748855 B1 20080507 (DE)

Application

EP 05739886 A 20050422

Priority

- EP 2005004372 W 20050422
- DE 102004023525 A 20040513

Abstract (en)

[origin: US7779664B2] A device (1) for the stepped displacement of workpieces inside a press (2) or similar processing equipment is provided. The device includes at least one or two gripper rails (4) that can be displaced back and forth in the direction of a longitudinal extent thereof and in the feed direction, the rails being displaced transversely in relation to one another in order to engage workpieces. To execute a gripping movement, the gripper rail (4) includes levers (5) that run at an angle and in opposite directions to one another, whereby the ends of the levers that face away from the gripper rail can be displaced towards or away from one another. Pivoting arms (11), which together with the levers (5) form scissors or half scissors type drives, are hinged on the levers (5) to guide the resultant transverse movement. A scissors drive of this type permits a parallel displacement of the gripper rail (4), even where space is limited, without the use of a drive that protrudes beyond the longitudinal extension of the gripper rails (4).

IPC 8 full level

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CPC (source: EP US)

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Cited by

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DOCDB simple family (publication)

WO 2005110641 A1 20051124; AT E394183 T1 20080515; BR PI0510538 A 20071030; BR PI0510538 B1 20190424; CA 2565890 A1 20051124; CA 2565890 C 20120410; DE 102004023525 A1 20051208; DE 102004023525 B4 20060720; DE 502005004012 D1 20080619; EP 1748855 A1 20070207; EP 1748855 B1 20080507; ES 2307178 T3 20081116; MX PA06012901 A 20070126; PT 1748855 E 20080820; US 2007295052 A1 20071227; US 7779664 B2 20100824

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