

Title (en)

Press installations with automatic tool change and method of tool change

Title (de)

Pressenanlagen mit automatischem Toolingwechsel und Verfahren zum Toolingswechsel

Title (fr)

Installations de presses avec changement automatique d'outil et procédé de changement d'outil

Publication

**EP 0879659 A3 20020116 (DE)**

Application

**EP 98108952 A 19980516**

Priority

DE 19721614 A 19970523

Abstract (en)

[origin: EP0879659A2] The press installation (1) incorporates at least two press stations (2, 3) with tables (9, 9') which serve for seating of tools (8, 8'), and can be moved out of their respective press stations. It further incorporates a transfer system with separable workpiece holders (51) for workpiece transport. Between the press stations there is an intermediate unit (4) with devices (43) for workpiece storing and devices (48) for seating the workpiece holders (51). There is at least one table (9) with at least one holding device (21, 22) for workpiece holders (51) separated from the transfer system. The intermediate unit (4) has at least one transfer device (49) for picking up and moving the workpiece holder (51) from the transfer system to the holding device (21, 22).

IPC 1-7

**B21D 43/05**

IPC 8 full level

**B21D 43/05** (2006.01)

CPC (source: EP US)

**B21D 43/057** (2013.01 - EP US)

Citation (search report)

- [A] US 5337594 A 19940816 - PETTERSSON ROLF [SE], et al
- [DA] US 4557134 A 19851210 - KUPPINGER GUENTER [DE]
- [DA] US 4713961 A 19871222 - HOEHN HERBERT [DE], et al
- [DA] EP 0523478 A1 19930120 - ERFURT UMFORMTECHNIK GMBH [DE]

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EP1063031A3; DE102004052001B4; DE102004052001A1

Designated contracting state (EPC)

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**EP 0879659 A2 19981125; EP 0879659 A3 20020116**; DE 19721614 A1 19981126; US 5992208 A 19991130

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