

Title (en)
Transfer press

Title (de)
Mehrstufenpresse

Title (fr)
Presse à postes multiples

Publication
EP 1658962 A1 20060524 (DE)

Application
EP 04027235 A 20041117

Priority
EP 04027235 A 20041117

Abstract (en)
The press has a press plunger (2) located opposite to a clamping plate (1) having an insert that is arranged such that the insert alternatively moves in direction towards and away from the press plunger. The insert is moved up and down by a cam drive that is actuated by a press main drive with lifting and lowering cams whose cam tracks are traced by lifting rollers and lowering rollers under compressive prestress. An independent claim is also included for a use of a multistage press for a manufacture of lids for beverage cans.

IPC 8 full level
B30B 1/26 (2006.01); **B21D 43/05** (2006.01); **B30B 15/04** (2006.01)

CPC (source: EP US)
B21D 43/05 (2013.01 - EP US); **Y10T 83/8824** (2015.04 - EP US); **Y10T 83/8843** (2015.04 - EP US)

Citation (search report)

- [A] US 5857374 A 19990112 - STODD RALPH P [US]
- [A] DE 19963063 A1 20010712 - ERFURT UMFORMTECHNIK GMBH [DE]
- [A] US 6000322 A 19991214 - TO THUY M [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 0071, no. 41 (M - 223) 21 June 1983 (1983-06-21)

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DE102008053561B4

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1658962 A1 20060524; **EP 1658962 B1 20070919**; AT E373561 T1 20071015; DE 502004005039 D1 20071031; ES 2293150 T3 20080316; JP 2006142381 A 20060608; JP 5116964 B2 20130109; SG 122970 A1 20060629; US 2006101892 A1 20060518; US 7637138 B2 20091229

DOCDB simple family (application)
EP 04027235 A 20041117; AT 04027235 T 20041117; DE 502004005039 T 20041117; ES 04027235 T 20041117; JP 2005321294 A 20051104; SG 200508506 A 20051110; US 25220805 A 20051017