

Title (en)
Transfer device

Title (de)
Einrichtung zum Teiletransfer

Title (fr)
Dispositif de transfert

Publication
EP 1048372 A3 20010822 (DE)

Application
EP 00108433 A 20000418

Priority
DE 19919434 A 19990429

Abstract (en)
[origin: EP1048372A2] The workpiece transfer device (1) has at least one gripper (12) with at least one movable clamp plate (18) for grasping the workpiece (2), operated by an individual drive, employing a setting motor (27) and an intermediate transmission, for grasping and releasing the workpiece.

IPC 1-7
B21D 43/05; **B21D 43/10**; **B21K 27/04**

IPC 8 full level
B21D 43/05 (2006.01); **B21D 43/10** (2006.01); **B21K 27/04** (2006.01)

CPC (source: EP US)
B21D 43/055 (2013.01 - EP US); **B21D 43/10** (2013.01 - EP US); **B21K 27/04** (2013.01 - EP US)

Citation (search report)
• [XA] DE 19725765 A1 19981224 - LIEBERGELD GMBH & CO [DE]
• [XA] EP 0402229 A1 19901212 - COMMISSARIAT ENERGIE ATOMIQUE [FR]
• [X] DE 2741581 A1 19790322 - NEDSCHROEF OCTROOI MAATS

Cited by
CN102806562A; CN106064211A; KR20180136948A; CN103639344A; CN103722441A; CN112762866A; WO2008119686A1; WO2005011894A1; WO2017186672A1; US10737313B2; WO2017186675A1; WO2017186673A1; US10537932B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1048372 A2 20001102; **EP 1048372 A3 20010822**; **EP 1048372 B1 20040616**; AT E269178 T1 20040715; DE 19919434 A1 20001102; DE 50006788 D1 20040722; US 6435336 B1 20020820

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EP 00108433 A 20000418; AT 00108433 T 20000418; DE 19919434 A 19990429; DE 50006788 T 20000418; US 56190000 A 20000501