

Title (en)

Transfer device and multistage press

Title (de)

Transfereinrichtung und Mehrstationenpresse

Title (fr)

Dispositif de transfert et presse à étages multiples

Publication

EP 0850709 B1 20011031 (DE)

Application

EP 97122033 A 19971215

Priority

- DE 19654475 A 19961227
- US 77071096 A 19961219

Abstract (en)

[origin: EP0850709A1] The transfer unit is used for workpieces to be transported along a predetermined route, in particular, along several successive workstations and includes a cross beam (46) provided with at least one holding device (47) for holding and releasing workpieces, a carrier mechanism for the cross beam enabling the holding device to be moved along a predetermined transfer curve (K), and a drive system which can move the carrier mechanism in two mutually independent directions (T, V), and is provided with two independently controllable drive units (77, 78; 88, 89). The unit is improved by the following facts: (a) the carrier mechanism includes linkage mechanisms (59, 83) connected to the two ends of the cross beam (46); (b) the cross beam (46) is carried by these linkage mechanism, and (c) is synchronously driven at both ends by the drive units (77, 78; 88, 89). A corresponding multistation press is improved by the presence of at least one transfer unit (41).

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B21D 43/05

IPC 8 full level

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CPC (source: EP US)

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Cited by

EP1724218A4; DE10128184A1; DE10128184B4; EP1627698A4; EP2810724A1; EP2810725A1; CN105621087A; WO02051574A1; US7624614B2; US7562765B2; EP2664395A3; EP3495064A3; WO2014194436A1; WO2014194437A1

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