

Title (en)

TRANSPORTING AND CLASSIFYING DEVICE FOR A PART OF COMPUTER CONTROLLED ANGLE SHEARS

Publication

EP 0242588 A3 19900117 (DE)

Application

EP 87103931 A 19870318

Priority

DE 3614013 A 19860425

Abstract (en)

[origin: EP0242588A2] The transporting and classifying device for various partial pieces, in particular for computer-controlled angle shears, cuts out different partial pieces in each case to optimise the utilisation of a metal sheet. The device has a multiplicity of stacking points, at which the partial pieces of equal size in each case can be deposited via an overhead conveyor, the latter comprising loading carriages which are individually displaceable on a circulating track, are provided with their own drive and control system and have magnetic or suction cup-type grippers. <IMAGE>

IPC 1-7

B21D 43/28; **B23D 33/00**

IPC 8 full level

B21D 43/28 (2006.01); **B23D 33/00** (2006.01)

CPC (source: EP)

B21D 43/287 (2013.01)

Citation (search report)

- [A] DE 1930385 A1 19701217 - MAGNETSCHULZ SPEZIALFABRIK FUE
- [A] DE 1282556 B 19681107 - UNGERER IRMA
- [A] US 4040318 A 19770809 - MAKEEV BORIS ANATOLIEVICH, et al
- [A] DE 3120352 A1 19821209 - MENGELE & SOEHNE MASCH KARL [DE]
- [A] US 3636883 A 19720125 - WESENER ERICH
- [A] INDUSTRIE-ANZEIGER
- [A] MASCHINENMARKT

Cited by

EP0769174A4; CN102962511A; EP1005931A3; AU2002361216B2; EP1332821A3; ITMO20120307A1; EP3165483A1; RU2643609C2; US7975580B2; US9630731B2; WO03061867A1; WO2014097018A1

Designated contracting state (EPC)

AT CH FR LI NL SE

DOCDB simple family (publication)

EP 0242588 A2 19871028; **EP 0242588 A3 19900117**; **EP 0242588 B1 19920311**; AT E73365 T1 19920315; DE 3614013 A1 19871105

DOCDB simple family (application)

EP 87103931 A 19870318; AT 87103931 T 19870318; DE 3614013 A 19860425