

Title (en)

CONVEYOR FOR THE TRANSPORT OF SHEET-METAL CUTS

Publication

EP 0346703 A3 19911227 (DE)

Application

EP 89109981 A 19890602

Priority

CH 228688 A 19880614

Abstract (en)

[origin: US4967898A] The conveyor apparatus is connecting a cutter, by means of which sheet metal blanks are produced in adjacent rows, to the magazine of a can welding apparatus which produces from the sheet metal blanks can bodies. A row of adjacently arranged depositing receptacles for receipt of at least one sheet metal blank each is located along the cutter on a frame. Two conveyor chains having dogs move along the depositing receptacles of which each presents a bottom surface which rises in the direction of transport such that the dogs push the sheet metal blanks from one to the next depositing receptacle and accordingly collect the sheet metal blanks out of all depositing receptacles such to form a pile at the end. Such pile is taken over at the end of the path of transport of the conveyer chains by a further conveyer means in form of elastically supported pawls. These pawls push the pile on a slanted rising slideway in a timed fashion by a certain span of the path of transport and are moved oscillatingly and are pressed under the pile during their reverse movement. By means of the pawls the staple is moved into a turn-over apparatus which includes two disk wheels which move rotatively in slots in the slideway after a respective pile of sheet metal blanks has been pushed into radially extending slots in the two disk wheels. After a rotation of 180 DEG each pile has been turned over and is transported on the adjoining slideway by further pawls, of which a plurality is provided along the slideway, into the magazine. The turn-over apparatus is only facultatively present for the case that printed sheet metal blanks must be turned over.

IPC 1-7

B21D 43/28

IPC 8 full level

B21D 43/22 (2006.01); **B21D 43/28** (2006.01)

CPC (source: EP US)

B21D 43/22 (2013.01 - EP US); **B21D 43/28** (2013.01 - EP US)

Citation (search report)

- [X] SU 172593 A1
- [A] EP 0208564 A1 19870114 - CARNAUD EMBALLAGE SA [FR]
- [A] FR 2607125 A1 19880527 - SETMASTERS LTD [GB]
- [A] DE 190163 C
- [A] GB 1156418 A 19690625 - GEORGE HARTLEY AND SONS LTD
- [A] DE 1299278 B 19690717 - MUELLER JOSEF
- [A] US 1717430 A 19290618 - YOUNG JOHN H, et al

Designated contracting state (EPC)

AT BE DE ES FR GB IT NL

DOCDB simple family (publication)

EP 0346703 A2 19891220; **EP 0346703 A3 19911227**; CH 675714 A5 19901031; US 4967898 A 19901106

DOCDB simple family (application)

EP 89109981 A 19890602; CH 228688 A 19880614; US 36053889 A 19890602