

Title (en)  
Phased conveyor.

Title (de)  
Takttransporteur.

Title (fr)  
Transporteur cadencé.

Publication  
**EP 0386442 A2 19900912 (DE)**

Application  
**EP 90101701 A 19900129**

Priority  
CH 84389 A 19890307

Abstract (en)  
[origin: JPH02300057A] PURPOSE: To simplify the construction of a gripper to facilitate assembly and adjustment by forming the cross section of a rail symmetrically relative to two symmetry planes crossing at right angles so that an intersection of both the symmetry planes can be approximately aligned with a longitudinal axis of the cross section of the rail. CONSTITUTION: The longitudinal axis of a chain is expressed by a line extending in right and in left directions through the center of a cross-pipe 20. The cross-piece 20 is provided with two shafts 21 intersecting at right angles, and one shaft of the two perpendicular shafts is turnably supported on links 2 and 3 and the other shaft is turnably supported on a shackle 22. The projected part of the shackle 22 is turnably supported on the shaft 23 of turning movement. Thus, since the links 2 and 3 can be rotated around the longitudinal axis of the link chain 1, and further can be rotated around the two perpendicular shafts of the shafts 21, they can be simultaneously turned around the three perpendicular shafts.

Abstract (de)  
An einer Gelenkkette (1) sind Greifer (5) angeordnet, wobei die gelenkig verbundenen Glieder (2, 3) der Gelenkkette (1) mittels Führungsrollen (8 bis 11) an einer Schiene (17) geführt sind. Zur Vereinfachung des Baues von Kurven oder Schlaufen oder der Verdrehung um die Längsachse wird vorgeschlagen, dass das Schienenprofil symmetrisch mit Bezug auf zwei sich rechtwinklig schneidende Symmetrieebenen ausgebildet ist. Die Schnittlinie der Symmetrieebenen fällt mit der Längsmittelachse des Schienenprofils zusammen.

IPC 1-7  
**B65H 29/04**

IPC 8 full level  
**B65G 17/46** (2006.01); **B65G 21/22** (2006.01); **B65H 29/04** (2006.01)

CPC (source: EP US)  
**B65H 29/003** (2013.01 - EP US); **B65H 2402/54** (2013.01 - EP US)

Cited by  
EP2840049A1; US5988551A; EP1029817A3; US5178262A; US6237751B1; WO9816453A3; WO9107342A1; EP0456978B1

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