

Title (en)
Inclined conveyor for hand carts.

Title (de)
Schrägstetigförderer für Transportkarren.

Title (fr)
Transporteur incliné pour chariots de manutention.

Publication
EP 0012149 A1 19800625 (DE)

Application
EP 79101261 A 19790426

Priority
DE 7836999 U 19781214

Abstract (en)
1. An inclined continuous conveyor for transport trolleys (2) equipped with a manually-releasable brake, which comprise two wheel-carrying axles (20) with different respective wheel spacings, the conveyor comprising separate tracks (5, 6), mutually displaced in height, for the wheels of a respective axle (3, 4) together with circulating drive chains which engage the transport trolleys (2) laterally, the tracks (5, 6) being prolonged in the form substantially flatly extending inlet and outlet lengths in which the brake is ineffective, characterised in that over the inlet and outlet lengths the drive chains (7) are movable to a limited extent transversely to their circulatory planes and over the inlet length they are guided obliquely from the outside into a position of engagement with the transport trolley (2), and over the outlet length they are led obliquely away outwards from an outer position of engagement of the transport trolley (2).

Abstract (de)
Ein Schrägstetigförderer, insbesondere für Bahnhöfe und Flughäfen, um Gepäckkarren zwischen Ebenen unterschiedlichen Niveaus zu transportieren. Die Karren haben eine automatisch bremsende Achse, auf der frei drehbare Rollen kleineren Durchmessers sitzen, denen im Bereich der Förderstrecke hochstehende Schienen zugeordnet sind, so daß die Karren trotz anliegender Bremse gefördert werden. Die Förderstrecke ist um eine Einlauf- und Auslaufstrecke in die beiden Ebenen verlängert.

IPC 1-7
B66B 9/06; B62B 3/10

IPC 8 full level
B66B 31/00 (2006.01)

CPC (source: EP)
B66B 31/006 (2013.01)

Citation (search report)
• GB 1043634 A 19660921 - INVENTIO AG
• DE 2456791 A1 19760812 - TRANSPORTTECHNIK GMBH
• DE 1756205 A1 19700312 - MASCH FABRIEK BREDA V H BACKER

Cited by
US5921351A; US4948232A; CN113526009A; CN113753723A; US6138815A; EP1077896A4; CN112830373A; US7779992B2; US7931136B2; US6490979B1; US8328003B2; US7453358B2; WO9958438A1

Designated contracting state (EPC)
BE CH FR GB LU NL SE

DOCDB simple family (publication)
EP 0012149 A1 19800625; EP 0012149 B1 19830504; DE 7836999 U1 19790412

DOCDB simple family (application)
EP 79101261 A 19790426; DE 7836999 U 19781214