

Title (en)

Coupling device for continuous conveyor systems.

Title (de)

Kupplungsvorrichtung für Schleppkreisförderer.

Title (fr)

Dispositif d'accouplement pour des transporteurs sans fin.

Publication

EP 0025861 A1 19810401 (DE)

Application

EP 80104854 A 19800816

Priority

DE 2938474 A 19790922

Abstract (en)

1. Coupling device for so-called power-and-free continuous conveyor systems, equipped with conveyor wagons adapted to be moved along a suspended conveyor track arranged underneath the dragging device - e. g. a conveyor chain, circulating continuously or individual self-propelled trolleys, running on rails - each of said wagons is provided with one driving head and with one actuating head for cooperating with a coupling device (K), which is arranged on said dragging device and that the coupling device (K) comprises two flight attachment bodies (21, 22) which are arranged mirror-inverted and are journaled pivotably on a common axle (9), and that the flight attachment bodies (21, 22) are provided with chamfers (24) for facilitating the coupling action and that the flight attachment bodies (21, 22), whilst hanging down freely, form a pocket (T) in the vicinity of their centres, said pocket is adapted in such a manner, that the driving head is allowed to slip out laterally of the pocket (T), characterized in that both flight attachment bodies (21, 22) are pressure die-castings of sound deadening material, said castings are equipped in the vicinity of their cooperating faces with longitudinal ribs (39, 39') in parallel and inter - locking arrangement and that a stop body (43) is arranged between the bearing bores (41, 42), said stop body is journaled around an axle (9) and arranged between the inner walls of the flight attachment bodies (21, 22) and that the said stop body limits the final position of each flight attachment body (21, 22).

Abstract (de)

Kupplungsvorrichtung für Power and Free-Schleppkreisförderer mit Förderwagen, die gemäß europäischer Patentanmeldung Nr. 80101371.5 auf einer unterhalb der Schleppeneinrichtung angeordneten Hängebahn verfahrbar sind, mit je einem Mitnahmekopf und einem Auslösekopf zum Zusammenwirken mit der an der Schleppeneinrichtung befindlichen Kupplungsvorrichtung, dadurch gekennzeichnet, daß die Kupplungsvorrichtung aus zwei beweglichen Kupplungsbacken (4,5) mit Abschrägungen (7,7') an beiden Enden und einer Ausnehmung (8) im mittleren Bereich besteht, die im Zusammenwirken der beiden Kupplungsbacken an beiden Enden der Kupplungsvorrichtung je eine Rampe und im mittleren Bereich eine Tasche bilden.

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IPC 8 full level

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CPC (source: EP)

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