

Title (en)  
Truck for a monorail mining plant.

Title (de)  
Förderwagen für eine Einschienenförderanlage.

Title (fr)  
Berline pour l'installation d'extraction minière à monorail.

Publication  
**EP 0101847 A2 19840307 (DE)**

Application  
**EP 83106714 A 19830708**

Priority  
DE 3231510 A 19820825

Abstract (en)  
1. Carriage for a monorail conveyor system having, at its upper end, a continuous, horizontal headrail mounted on upright support (1) and having both sides of said upper end vertical guide roller tracks (2, 3) for guide rollers (30, 31) mounted on and rotating about vertical shafts and with, above, between the guide rollers, a horizontal and upwards-pointing bottom roller track (5) for bottom rollers (25, 26) mounted on and rotating about horizontal shafts, with a carriage (10) which can be moved from above with side members along the headrail, on which several links (15) are mounted each swivelling about a vertical shaft and with guide rollers mounted on the links in adjacent pairs in the direction of travel both sides of the bottom roller track, characterized in that two links (16, 15) are each provided with two guide rollers (30, 31) ; the two guide rollers of a link are arranged, with the facility to roll freely, on two guide roller tracks (2, 3), arranged on either side of the headrail (9) ; the two links at the front and the rear end of the carriage (10) concerned are so arranged that they reach the end of the carriage in question ; the shafts (17, 18) about which the two links swing are mounted in the vertical mid-plane (10) of a straight section (4) of the headrail ; each link (15, 16) is mounted with its swivelling end (21, 22) pointing to the relevant end of the carriage (10) ; the bottom rollers (30-33), relative to the direction of travel, are mounted on the link between the swivel bearing (17, 18) of the relevant link (15, 16) and the pivot bearing of the relevant bottom roller (25, 26).

Abstract (de)  
Bei einer Einschienenförderanlage sind die Förderwagen 10 mit Tragrollen 25, 26 auf einer Führungsrollbahn 5 abgestützt. Die Tragrollen sind an Schwingen 15, 16 gelagert, die um vertikale Achsen schwenkbar sind und durch beidseitig an der Kopfschiene 9 angreifende Führungsrollen 30, 31, 32, 33 den Kurven der Kopfschiene entsprechend verstellt werden.

IPC 1-7  
**B61B 13/04**; **B61F 5/38**

IPC 8 full level  
**B61B 13/04** (2006.01); **B61B 13/06** (2006.01); **B61C 13/04** (2006.01); **B61F 5/38** (2006.01); **B66C 9/14** (2006.01); **B66C 9/16** (2006.01)

CPC (source: EP)  
**B61B 13/06** (2013.01); **B61F 5/38** (2013.01)

Cited by  
EP0920653A4; CN105863723A; GB2233622A; GB2233622B; WO02088333A1; WO9115389A1

Designated contracting state (EPC)  
CH DE FR GB LI LU NL

DOCDB simple family (publication)  
**EP 0101847 A2 19840307**; **EP 0101847 A3 19850911**; **EP 0101847 B1 19880420**; DE 3231510 A1 19840301; DE 3231510 C2 19870827; DE 3376309 D1 19880526; JP S5938163 A 19840301; JP S647907 B2 19890210

DOCDB simple family (application)  
**EP 83106714 A 19830708**; DE 3231510 A 19820825; DE 3376309 T 19830708; JP 17861382 A 19821013