

Title (en)

Improved material conveyance system using powered trolleys on a suspended rail.

Title (de)

Verbessertes Materialfördersystem unter Verwendung von angetriebenen Wagen auf einer Hängebahnschiene.

Title (fr)

Système amélioré de transport de matériau utilisant des chariots entraînés sur un rail de voie suspendue.

Publication

EP 0488475 B1 19950621 (EN)

Application

EP 91203096 A 19911127

Priority

IT 2221190 U 19901130

Abstract (en)

[origin: EP0488475A1] A conveyance system (10) with suspended rail (11) comprises trolleys (12) with an upper drive wheel (13) and lower bucking rollers (15,16). The wheel and the rollers are supported rigidly so as not to have reciprocating translation movements. Each trolley (12) has a geometry such as to cause a rotation moment around the upper wheel (13) when the trolley negotiates sloped sections of rail so as to increase the force of contact of the driving wheel (13) on the rail. The rail (11) has a cross section of variable height along its extension to allow holding uniform the distance between the wheel and the rollers despite curves for changing altitude. <IMAGE>

IPC 1-7

B61C 13/04

IPC 8 full level

B61C 13/04 (2006.01)

CPC (source: EP)

B61C 13/04 (2013.01)

Cited by

CN110788829A; CN105377663A; FR2685673A1; ES2049157A2; BE1006167A3; GB2484709A; GB2484709B; AU673257B2; US5657699A; US9994236B2; US9751725B2; WO9423980A1; WO2014184780A1

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EP 91203096 A 19911127; DE 69110628 T 19911127; ES 91203096 T 19911127; IT 2221190 U 19901130; PL 29259291 A 19911129