

Title (en)
SUSPENDED ELECTRIC RAILWAY

Publication
EP 0151965 B1 19900404 (DE)

Application
EP 85100580 A 19850121

Priority
DE 3403460 A 19840201

Abstract (en)
[origin: US4644873A] An electric overhead trolley conveyor is described whereby electric trolleys can drive automatically with reduced velocity in inclining, declining or vertical sections or in selected horizontal sections of the rail without a special control of the electric motor or the drive. For this purpose, chains or racks are provided in sections for reduced speed which mesh with sprocket wheels or gears of the electric trolleys. In the other areas of the rail the electric trolleys are driven by a drive wheel. The circumferential velocity of the drive wheel is greater than the circumferential velocity of the sprocket wheel or gear. In the slow movement sections the circumferential velocity difference is compensated by the drive wheel which has an outer ring, that may rotate relative to an inner hub which is fixedly connected with the drive shaft.

IPC 1-7
B61B 13/02; **B61C 13/08**; **B61K 7/02**

IPC 8 full level
B61B 13/02 (2006.01); **B61C 13/04** (2006.01); **B61C 13/08** (2006.01); **B61K 7/02** (2006.01)

CPC (source: EP US)
B61C 13/04 (2013.01 - EP US); **Y10T 74/1967** (2015.01 - EP US)

Cited by
EP0379206A3; FR2704506A1; EP0488475A1; EP0663329A1; FR2685673A1; EP2617620A3; WO2013156106A1

Designated contracting state (EPC)
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EP 0151965 A2 19850821; **EP 0151965 A3 19860212**; **EP 0151965 B1 19900404**; AT E51595 T1 19900415; DE 3403460 A1 19850808; US 4644873 A 19870224

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