

Title (en)

AERIAL CONVEYOR WITH PENDULAR ARMS DRIVEN ALONG A CLOSED LOOP CIRCUIT

Title (de)

HÄNGEFÖRDERER MIT PENDELARMEN IM GESCHLOSSENEN KREISPROZESS

Title (fr)

CONVOYEUR AERIEN A BRAS PENDULAIRES ENTRAINES SUIVANT UN CIRCUIT EN BOUCLE FERMEE

Publication

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Application

**EP 03715061 A 20030128**

Priority

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- US 42065702 P 20021023

Abstract (en)

[origin: WO2004041628A1] In a preferred embodiment, the objects to be transported, in particular motor car body shells on sleds (3, 5) are carried suspended each by four independent pendular arms (4) with two symmetrical conveyors which travel through the installation under the control of synchronized drive means to pick up said objects in a loading station and transport them individually to an unloading station. In each conveyor, said pendular arms are secured to fixed positions distributed along a cable (60) which is driven by said drive means while being maintained tensioned on guide wheels (63) defining a predetermined conveying circuit. The loads suspended via the pendular arms are solely carried by said cable between said guide wheels, said cable thus constituting both tractive and carrier means for said objects. In practice, each conveyor comprises two parallel cables and the pendulums are secured hanging therebetween.

IPC 1-7

**B62D 65/00**; **B65G 17/18**; **B65G 49/04**

IPC 8 full level

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CPC (source: EP US)

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