

Title (en)

RAIL-GUIDED CONVEYOR MEANS AND CONVEYOR SYSTEM HAVING SUCH CONVEYOR MEANS

Title (de)

SCHIENENGEFÜHRTES FÖRDERMITTEL UND FÖRDERANLAGE MIT DERARTIGEN FÖRDERMITTELN

Title (fr)

MOYEN DE MANUTENTION SUR RAIL ET INSTALLATION DE MANUTENTION DOTÉE DE TELS MOYENS DE MANUTENTION

Publication

**EP 2978694 A1 20160203 (DE)**

Application

**EP 14712562 A 20140319**

Priority

- CH 6912013 A 20130328
- CH 2014000032 W 20140319

Abstract (en)

[origin: CA2907879A1] A rail-guided conveyor means includes a conveyor carriage (3) with at least three rollers (4a, 4b, 4c) for rolling along a rail guide. The planes of rotation (R) of the at least three rollers (4a, 4b, 4c) are at an angle or more than 90° and less than 180° relative to each other. The corresponding conveyor system includes a plurality of such conveyor means and a corresponding rail guide with a rail body. The rail body includes a longitudinal rail body portion with three running surfaces on the outer periphery of the rail body for the at least three rollers (4a, 4b, 4c) of the conveyor means. The surface normals of the three running surfaces are at an angle of more than 90° and less than 180° relative to each other.

IPC 8 full level

**B65G 9/00** (2006.01); **B65G 19/02** (2006.01)

CPC (source: EP US)

**B61B 3/00** (2013.01 - US); **B65G 9/002** (2013.01 - EP US); **B65G 9/008** (2013.01 - US); **B65G 19/025** (2013.01 - EP US); **B65G 39/18** (2013.01 - US)

Citation (search report)

See references of WO 2014153675A1

Citation (examination)

- US 3244113 A 19660405 - SMYSER BERT A
- US 6360673 B1 20020326 - HERRIN RICHARD L [US], et al

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**CH 707798 A1 20140930**; AU 2014245780 A1 20151029; AU 2014245780 B2 20170907; BR 112015024550 A2 20170718; CA 2907879 A1 20141002; CL 2015002844 A1 20160520; CN 105307958 A 20160203; EP 2978694 A1 20160203; KR 20150135326 A 20151202; TW 201446623 A 20141216; US 2016046444 A1 20160218; US 9643783 B2 20170509; WO 2014153675 A1 20141002

DOCDB simple family (application)

**CH 6912013 A 20130328**; AU 2014245780 A 20140319; BR 112015024550 A 20140319; CA 2907879 A 20140319; CH 2014000032 W 20140319; CL 2015002844 A 20150924; CN 201480018476 A 20140319; EP 14712562 A 20140319; KR 20157026984 A 20140319; TW 103110281 A 20140319; US 201414779751 A 20140319