

Title (en)

CONVEYOR FOR REDUCING TAKE-UP LOAD IN THE RETURNWAY

Title (de)

FÖRDERBAND ZUR REDUZIERUNG DER AUFNAHMELAST BEIM RÜCKLAUF

Title (fr)

TRANSPORTEUR POUR RÉDUIRE LA CHARGE DE TRACTION DANS LE TRAJET DE RETOUR

Publication

EP 3452393 A4 20200101 (EN)

Application

EP 17793020 A 20170426

Priority

- US 201662332086 P 20160505
- US 2017029565 W 20170426

Abstract (en)

[origin: WO2017192329A1] Components of a conveyor system designed to reduce take-up tension in a returnway of a conveyor. A snub roller in the returnway engages and drives a portion of the conveyor belt at a speed that is faster than the speed of a drive for the conveyor belt. A weighted roller between a drive and a synchronized sprocket tied to the drive alternatively reduces take-up load in a conveyor belt.

IPC 8 full level

B65G 23/04 (2006.01); **B65G 23/34** (2006.01); **B65G 23/36** (2006.01); **B65G 23/44** (2006.01)

CPC (source: EP)

B65G 23/34 (2013.01); **B65G 23/36** (2013.01); **B65G 23/44** (2013.01)

Citation (search report)

- [X] JP 2015001306 A 20150105 - KOYO THERMO SYS KK
- [XA] GB 743552 A 19560118 - BABCOCK & WILCOX LTD
- [I] US 2003075417 A1 20030424 - BECKER NORBERT [DE], et al
- [I] JP S5741820 U 19820306
- [I] US 5203447 A 19930420 - EWERT TERRY S [US]
- See also references of WO 2017192329A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2017192329 A1 20171109; CN 109071117 A 20181221; CN 109071117 B 20210907; EP 3452393 A1 20190313; EP 3452393 A4 20200101

DOCDB simple family (application)

US 2017029565 W 20170426; CN 201780024290 A 20170426; EP 17793020 A 20170426