

Title (en)

SNAP-ON POSITION LIMITER FOR A CONVEYOR BELT

Title (de)

EINRASTBARER POSITIONSBEGRENZER FÜR EIN FÖRDERBAND

Title (fr)

LIMITEUR DE POSITION À ENCLIQUETAGE POUR UNE COURROIE TRANSPORTEUSE

Publication

EP 3551554 A4 20200819 (EN)

Application

EP 17880717 A 20171211

Priority

- US 201615376056 A 20161212
- US 2017065517 W 20171211

Abstract (en)

[origin: WO2018111743A1] A conveyor employs a low-tension, direct drive conveyor belt, and a snap-on position limiter for ensuring proper engagement of the belt and a drive sprocket. The position limiter includes a body, a limiting surface and a snap clap opposite the limiting surface for snapping the position limiter to a mounting shaft. The position limiter may include a mounting arm for mounting a conveyor belt scraper at the front of the position limiter. Mounting plates at the end of the conveyor support a mounting shaft for mounting the position limiter or other conveyor components in place relative to the drive sprocket.

IPC 8 full level

B65G 21/06 (2006.01); **B65G 21/10** (2006.01); **B65G 39/12** (2006.01)

CPC (source: EP)

B65G 21/06 (2013.01); **B65G 21/105** (2013.01); **B65G 39/12** (2013.01); **B65G 21/20** (2013.01); **B65G 45/16** (2013.01); **B65G 2207/26** (2013.01); **B65G 2207/30** (2013.01)

Citation (search report)

- [XY] US 6959803 B1 20051101 - LAYNE JAMES L [US], et al
- [XY] US 9296565 B2 20160329 - BATCHELDER JEFF [US], et al
- [X] DE 8325639 U1 19860626
- [X] US 3878937 A 19750422 - GLASER CHARLES JEROME, et al
- [A] JP H07137827 A 19950530 - MAKI TEC KK
- [A] CN 2548968 Y 20030507 - RUIMING SCIENCE & TECHNOLOGY C [CN]
- See references of WO 2018111743A1

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

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WO 2018111743 A1 20180621; CN 110072786 A 20190730; CN 110072786 B 20210720; EP 3551554 A1 20191016; EP 3551554 A4 20200819; JP 2020500802 A 20200116; JP 6941174 B2 20210929

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