

Title (en)

STEP CHAIN FOR ESCALATORS, AND PERSON CONVEYOR DEVICE HAVING A STEP CHAIN OF THIS TYPE

Title (de)

STUFENKETTE FÜR FAHRTREPPEN SOWIE PERSONENFÖRDERVORRICHTUNG MIT EINER SOLCHEN STUFENKETTE

Title (fr)

CHAÎNE DE MARCHES POUR ESCALIERS MÉCANIQUES ET DISPOSITIF DE TRANSPORT DE PERSONNES ÉQUIPÉ D'UNE TELLE CHAÎNE DE MARCHES

Publication

EP 3313768 A1 20180502 (DE)

Application

EP 16732680 A 20160629

Priority

- DE 102015212031 A 20150629
- EP 2016065148 W 20160629

Abstract (en)

[origin: WO2017001480A1] The present invention relates to a step chain (1) for driving the steps of an escalator, said chain comprising link plates (2), link pins (3), link bushes (5) and buffer rollers (6), which are interconnected to form chain links (7) that can move relative to one another, and comprising running rollers (8) arranged outside the chain links (7). Each buffer roller (6) is designed as a multi-component part having at least one inner dimensionally stable sliding component (9), by means of which each buffer roller (6) is rotatably arranged on the link bush (5), and an outer damping component (10), the damping component (10) having a more elastically flexible design than the sliding component (9). The invention also relates to a person conveyor device, in particular an escalator or moving walkway, comprising a step chain according to the invention.

IPC 8 full level

B66B 23/02 (2006.01)

CPC (source: CN EP US)

B66B 21/02 (2013.01 - US); **B66B 23/024** (2013.01 - CN EP US); **F16G 13/00** (2013.01 - CN); **F16G 13/06** (2013.01 - CN)

Citation (search report)

See references of WO 2017001480A1

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102015212031 A1 20161229; CN 107810161 A 20180316; CN 107810161 B 20210202; EP 3313768 A1 20180502; HK 1251540 A1 20190201; US 10464785 B2 20191105; US 2018170717 A1 20180621; WO 2017001480 A1 20170105

DOCDB simple family (application)

DE 102015212031 A 20150629; CN 201680038149 A 20160629; EP 16732680 A 20160629; EP 2016065148 W 20160629; HK 18110989 A 20180827; US 201615737520 A 20160629