

Title (en)  
MOVING STAIRCASE WITH SHARED RETURN RAILS

Title (de)  
FAHRTREPPE MIT GEMEINSAMEN RÜCKLAUFSCHIENEN

Title (fr)  
ESCALIER DOTÉ DE RAILS DE RETOUR COMMUNS

Publication  
**EP 3283426 B1 20190123 (DE)**

Application  
**EP 16713450 A 20160401**

Priority  
• EP 15163933 A 20150416  
• EP 2016057197 W 20160401

Abstract (en)  
[origin: WO2016165955A1] The invention relates to an escalator, comprising two deflection regions (6, 7) and a step belt (10) arranged so as to circulate between the deflection regions (6, 7). The step belt (10) has pivotable steps (12), the pivoting motions of which during the circulation (U) are defined by step rollers (14) and idling rollers (15), which are arranged on both sides of the steps (12) and roll on rails (16, 17). Because of the circulating arrangement, the step belt (10) has a forward run (V) used to convey persons and goods and a return run (R) used to return the steps (12). Instead of two separate return rails per side of the step band, the escalator according to the invention has one common return rail (17) for the idling rollers (15) and the step rollers (14) on each of the two sides of the step band (10) in the return (R).

IPC 8 full level  
**B66B 23/14** (2006.01)

CPC (source: EP KR US)  
**B66B 21/04** (2013.01 - KR); **B66B 23/14** (2013.01 - EP KR US)

Cited by  
US11027946B2

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 2016165955 A1 20161020**; BR 112017021240 A2 20180626; CN 107531462 A 20180102; CN 107531462 B 20190531;  
EP 3283426 A1 20180221; EP 3283426 B1 20190123; ES 2713684 T3 20190523; KR 20170137805 A 20171213; PL 3283426 T3 20190731;  
TR 201905376 T4 20190521; US 2018118521 A1 20180503

DOCDB simple family (application)  
**EP 2016057197 W 20160401**; BR 112017021240 A 20160401; CN 201680022132 A 20160401; EP 16713450 A 20160401;  
ES 16713450 T 20160401; KR 20177032143 A 20160401; PL 16713450 T 20160401; TR 201905376 T 20160401; US 201615567010 A 20160401