

Title (en)
FORCE-DRIVEN HANDRAIL BELT APPARATUS

Title (de)
KRAFTGETRIEBENE HANDLAUFBANDVORRICHTUNG

Title (fr)
APPAREIL À COURROIE DE MAIN COURANTE ENTRAÎNÉ PAR LA FORCE

Publication
EP 3967643 A4 20230111 (EN)

Application
EP 19929090 A 20190911

Priority
• CN 201910389464 A 20190510
• CN 2019105363 W 20190911

Abstract (en)
[origin: EP3967643A1] A force-driven handrail belt apparatus, comprising a handrail belt (1) and a drive wheel (2): the handrail belt (1) has a contact surface that is in contact with the drive wheel (2); a plurality of force-driven grooves (3) are evenly provided at the center position of the contact surface along the length direction thereof; a plurality of force-driven gears (4) are evenly distributed on the outer edge of the drive wheel (2); and the force-driven gears (4) of the drive wheel (2) are embedded into the force-driven grooves (3) on the contact surface of the handrail belt (1) to achieve the forced driving of the handrail belt (1).

IPC 8 full level
B66B 23/04 (2006.01); **B66B 23/20** (2006.01); **B66B 23/24** (2006.01)

CPC (source: CN EP KR)
B66B 23/04 (2013.01 - CN KR); **B66B 23/20** (2013.01 - CN); **B66B 23/24** (2013.01 - EP KR); **B66B 23/04** (2013.01 - EP); **B66B 23/20** (2013.01 - EP)

Citation (search report)
• [XAI] CN 101674997 A 20100317 - OTIS ELEVATOR CO
• [XA] CH 548342 A 19740430 - PAHL GUMMI ASBEST
• [A] JP S4985775 A 19740816
• See also references of WO 2020228200A1

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)
EP 3967643 A1 20220316; **EP 3967643 A4 20230111**; CA 3138971 A1 20201119; CA 3138971 C 20240604; CN 109969916 A 20190705; JP 2022533273 A 20220721; KR 20220005095 A 20220112; WO 2020228200 A1 20201119

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