

Title (en)
Escalator or moving walkway with drive

Title (de)
Fahrtreppe oder Fahrsteig mit Antrieb

Title (fr)
Escalier mécanique ou trottoir roulant doté d'un entraînement

Publication
EP 1902996 B1 20111221 (DE)

Application
EP 07115980 A 20070910

Priority
• EP 06120873 A 20060919
• EP 07115980 A 20070910

Abstract (en)
[origin: US2008067034A1] An escalator or moving walk has a drive arranged in a reversing area. The drive drives chain wheels that move the step band or pallet band and include a motor, an axial gear, a first hollow shaft and a second hollow shaft. The motor drives a belt to drive a gear input shaft that runs coaxial to the first hollow shaft. Arranged at one end of the gear input shaft is an operating brake; the other end of the gear input shaft is connected to the axial gear. A first flange connects a first chain wheel to a truss. A second chain wheel is arranged at one end of the second hollow shaft; the other end of the second hollow shaft is connected to the housing of the axial gear. A second flange connected to a side plate serves as a torque converter bearing for the axial gear.

IPC 8 full level
B66B 23/02 (2006.01); **B66B 23/04** (2006.01)

CPC (source: EP KR US)
B66B 23/02 (2013.01 - KR); **B66B 23/026** (2013.01 - EP US)

Cited by
CN101934967A; WO2022135860A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2008067034 A1 20080320; US 7597182 B2 20091006; AR 062889 A1 20081210; AT E538063 T1 20120115; AU 2007216821 A1 20080403; AU 2007216821 B2 20130314; BR PI0703975 A 20080506; BR PI0703975 B1 20190521; CA 2602692 A1 20080319; CA 2602692 C 20140909; CN 101148236 A 20080326; CN 101148236 B 20111207; EP 1902996 A1 20080326; EP 1902996 B1 20111221; ES 2379828 T3 20120504; HK 1118787 A1 20090220; JP 2008074622 A 20080403; JP 5130561 B2 20130130; KR 101343742 B1 20131219; KR 20080026047 A 20080324; MX 2007010437 A 20090210; NZ 561177 A 20090331; RU 2007134735 A 20090327; RU 2464218 C2 20121020; TW 200829501 A 20080716; TW I386361 B 20130221; UA 94578 C2 20110525; ZA 200708025 B 20091230

DOCDB simple family (application)
US 85756507 A 20070919; AR P070104128 A 20070918; AT 07115980 T 20070910; AU 2007216821 A 20070918; BR PI0703975 A 20070917; CA 2602692 A 20070918; CN 200710149005 A 20070904; EP 07115980 A 20070910; ES 07115980 T 20070910; HK 08110140 A 20080911; JP 2007228582 A 20070904; KR 20070094544 A 20070918; MX 2007010437 A 20070827; NZ 56117707 A 20070904; RU 2007134735 A 20070918; TW 96134650 A 20070917; UA A200710382 A 20070918; ZA 200708025 A 20070918