

Title (en)

METHOD AND DEVICE FOR REDUCING THE POLYGON EFFECTS IN AN AREA OF DEVIATION IN PASSENGER CONVEYOR SYSTEMS

Title (de)

VERFAHREN UND EINRICHTUNG ZUR REDUZIERUNG DES POLYGONEFFEKTES IM UMLENKBEREICH VON  
PERSONENFÖRDERANLAGEN

Title (fr)

PROCEDE ET DISPOSITIF POUR REDUIRE L'EFFET POLYGONE DANS LA ZONE DE RENVOI DE SYSTEMES DE TRANSPORT DE  
PASSAGERS

Publication

**EP 1381556 A1 20040121 (DE)**

Application

**EP 02730199 A 20020424**

Priority

- DE 10120767 A 20010427
- EP 0204499 W 20020424

Abstract (en)

[origin: WO02088015A1] The invention relates to a method for reducing polygon effects occurring during deviation of a chain used for a passenger conveyor system, particularly an escalator or a moving pathway. By driving the rotational speed of the deviator wheel which affects the deviator wheel in an indirect or direct manner, a different rotational speed is superimposed, and position-dependent control of speed occurs accordingly whereby variations in speed arising at a substantially constant rotational frequency on the chain wheel are determined and compensation is carried out, enabling the deviator wheel to be driven at an unequal rotational frequency.

IPC 1-7

**B66B 23/02**; **B66B 25/00**

IPC 8 full level

**B66B 23/02** (2006.01); **B66B 25/00** (2006.01)

CPC (source: EP US)

**B66B 23/022** (2013.01 - EP US); **B66B 25/00** (2013.01 - EP US)

Citation (search report)

See references of WO 02088015A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 02088015 A1 20021107**; CN 1281475 C 20061025; CN 1505588 A 20040616; EP 1381556 A1 20040121; HK 1062287 A1 20041029; JP 2005510432 A 20050421; US 2005016817 A1 20050127; US 6892874 B2 20050517

DOCDB simple family (application)

**EP 0204499 W 20020424**; CN 02808934 A 20020424; EP 02730199 A 20020424; HK 04105254 A 20040719; JP 2002585322 A 20020424; US 69382503 A 20031027