

Title (en)

CONTROL OF SEAT ORIENTATION FOR STAIR LIFT

Title (de)

STEUERUNG DER STELLUNG EINES TREPPENAUFZUGSSITZES

Title (fr)

COMMANDE D'ORIENTATION DE SIEGE POUR MONTE-ESCALIER

Publication

EP 1062177 A1 20001227 (EN)

Application

EP 99907738 A 19990309

Priority

- GB 9900697 W 19990309
- GB 9805003 A 19980309

Abstract (en)

[origin: WO9946198A1] A control arrangement for controlling the orientation of the seat assembly of a stair lift with respect to the chassis of the stair lift as the chassis moves along an inclined elongate rail. The control arrangement includes means for causing relative movement between the seat assembly and the chassis, such as, for example an electric motor. These means are then further controlled by control means such as an electronic circuit to ensure that the seat assembly is maintained in a horizontal orientation with respect to the ground. In addition, a stair lift rail construction arrangement is also disclosed wherein transitional sections of rail between rail sections of different inclines are formed as arcs of a circle. This allows the control means to be simplified as the electric motor need only be run at a constant rate to maintain the seat orientation during the transitional sections.

IPC 1-7

B66B 9/08

IPC 8 full level

B66B 9/08 (2006.01)

CPC (source: EP)

B66B 9/0838 (2013.01)

Citation (search report)

See references of WO 9946198A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 9946198 A1 19990916; AU 2737299 A 19990927; CA 2323362 A1 19990916; EP 1062177 A1 20001227; GB 9805003 D0 19980506; JP 2002505990 A 20020226; NO 20004518 D0 20000911; NO 20004518 L 20001108

DOCDB simple family (application)

GB 9900697 W 19990309; AU 2737299 A 19990309; CA 2323362 A 19990309; EP 99907738 A 19990309; GB 9805003 A 19980309; JP 2000535581 A 19990309; NO 20004518 A 20000911