

Title (en)
Stairlift for variable-slope flight portions

Title (de)
Treppenaufzug für eine Treppe mit variabler Steigung

Title (fr)
Ascenseur d' escalier pour escalier à pente variable

Publication
EP 1053968 A3 20010307 (EN)

Application
EP 00100177 A 20000112

Priority
IT MI991114 A 19990520

Abstract (en)
[origin: EP1053968A2] A stairlift for variable-slope flight portions which comprises an upper guiding bar (2) and a lower guiding bar (3) which can be fixed to a fixed structure (5) and have a constant distance in a vertical direction. A movable frame (10) is slideable on the guiding bars (2,3) and supports an actuation motor (11). A main driving pinion (21) is actuated by the motor (11) and meshes with an upper toothed guide (25) formed on the upper guiding bar (2), and a stabilizer pinion (30) meshes with a lower toothed guide (31) which is formed on the lower guiding bar (3). The stabilizer pinion (30) is freely rotatable if the inclination of the guiding bars (2,3) exceeds a preset value, whereas the stabilizer pinion (30) is connected to the main driving pinion (21) if the inclination of the guiding bars (2,3) is lower than the preset value. <IMAGE>

IPC 1-7
B66B 9/08

IPC 8 full level
B66B 9/08 (2006.01)

CPC (source: EP)
B66B 9/0815 (2013.01)

Citation (search report)
• [AD] WO 9515909 A1 19950615 - SUNRISE MEDICAL LTD [GB], et al
• [A] EP 0394201 A2 19901024 - VIMEC SRL [IT]
• [A] WO 9214673 A1 19920903 - HILLENKOETTER & RONSIECK [DE]

Cited by
WO2017202987A1; KR101419498B1; ITUA20163820A1; EP1382558A1; RU2468946C2; US7296659B2

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