

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 A2 20001122 (EN)**

Application  
**EP 00100177 A 20000112**

Priority  
IT MI991114 A 19990520

Abstract (en)  
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)

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

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