

Title (en)  
STAIRLIFT

Publication  
**EP 0235554 A3 19881130 (DE)**

Application  
**EP 87101008 A 19870124**

Priority  
DE 3602770 A 19860130

Abstract (en)  
[origin: US4756387A] A staircase lift includes upper and lower support girders fixedly disposed along stairs, vertical rods disposed between the support girders, inclined support rods fixed on the vertical rods, a load receiver in the form of a platform or a seat with a back panel, the load receiver being movably supporting on the upper and lower support girders, a flat drive housing disposed on the back panel of the load receiver, and a motor-driven drive disposed in the drive housing, the drive including bolts having ends supported in endless grooves formed in the drive housing, a closed endless circle of guide sleeves supported on the bolts, a pair of gear wheels driving the bolts, and a plurality of support rollers equidistantly disposed in the circle of guide sleeves, extending from the drive housing and cooperating with the bolts.

IPC 1-7  
**B66B 9/08**

IPC 8 full level  
**B66B 9/02** (2006.01); **B66B 9/08** (2006.01)

CPC (source: EP US)  
**B66B 9/02** (2013.01 - EP US); **B66B 9/0815** (2013.01 - EP US)

Citation (search report)  
• [AD] EP 0019014 A1 19801126 - GRASS GERD  
• [A] DE 65109 C  
• [A] DE 3314984 A1 19841031 - ODENBERG FRIEDRICH W  
• [A] US 3833092 A 19740903 - FLINCHBAUGH H  
• [A] DE 2434009 A1 19760205 - STEINERT ELEKTROMAGNETBAU

Designated contracting state (EPC)  
AT NL SE

DOCDB simple family (publication)  
**US 4756387 A 19880712**; AT E51600 T1 19900415; CA 1275965 C 19901106; DE 3602770 A1 19870813; DE 3602770 C2 19871112; EP 0235554 A2 19870909; EP 0235554 A3 19881130; EP 0235554 B1 19900404

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