

Title (en)

GEAR FOR THE DISPLACEMENT OF AN ELEMENT

Publication

**EP 0386535 B1 19930728 (DE)**

Application

**EP 90103404 A 19900222**

Priority

DE 8902621 U 19890304

Abstract (en)

[origin: EP0386535A1] An especially narrow and light, but nevertheless highly stable gear, easy to fit and composed of simple parts, for the displacement of a lifting member, especially a push rod of a so-called skylight opener, is obtained if, instead of a closed housing, a guide rail (1) open transversely relative to the wing plane is used and the spindle nut (4) is mounted on it displaceably, but in a manner preventing it from being lifted out perpendicularly to the frame plane. The mounting takes place via a dovetail connection (13, 14). The bearing (2) for the screw spindle (3), which can be driven directly or indirectly, for example by a crank handle, and the spindle nut (4) consist of portions of preferably one and the same rod-shaped sectional material, high-strength steel being preferred. The assembly as a whole can be covered by means of a cover rail (8) and thereby be made visually attractive. The cross-section of this cover rail preferably corresponds to that of a cover rail for adjoining rods of the skylight shaft. If an angular gear is used, the spindle nut (3) is connected to an intermediate member (48), especially a universal joint, of which the connection element (49) remote from the spindle is mounted in an additional bearing (50) which can be fitted separately. <IMAGE>

IPC 1-7

**E05F 11/24; E05F 11/34; F16H 25/20**

IPC 8 full level

**E05D 15/52** (2006.01); **E05F 7/08** (2006.01); **E05F 11/24** (2006.01); **E05F 11/34** (2006.01); **F16H 25/20** (2006.01)

CPC (source: EP)

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Cited by

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