

Title (en)
ROOF WINDOW WITH IMPROVED SPRING ASSEMBLY

Title (de)
DACHFENSTER MIT VERBESSERTER FEDERANORDNUNG

Title (fr)
FENÊTRE DE TOIT AVEC ENSEMBLE RESSORT AMÉLIORÉ

Publication
EP 3714116 B1 20210908 (EN)

Application
EP 18812048 A 20181126

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• DK 2018050310 W 20181126

Abstract (en)
[origin: WO2019101279A1] In the roof window intended for installation in an inclined roof surface, the lifting device (10) includes a lifting arm (14) inserted between the primary frame (1) and the at least one secondary frame (2, 3) of the roof window. The lifting arm (14) has a first end (12) rotatably connected with a sledge system (30) slidably connected with the primary frame (1) in a sledge guidance (16) and a second end (13) rotatably connected with the at least one secondary frame (3). The lifting device (10) furthermore includes a spring assembly (20) configured to be coupled to the sledge system (30) and in turn the first end (12) of the lifting arm (14) by means of a coupling mechanism, such that the spring assembly (20) is able to assume an uncoupled condition and a coupled condition relative to the sledge system (30). In turn, the spring assembly comprises a main spring system (29) and a buffer spring system (28) inserted between the main spring system (29) and the lifting device (10). According to the invention, the buffer spring system (28) comprises an outer spring (281) and an inner spring (282) of substantially identical pre-defined lengths.

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CPC (source: DK EP)
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