

Title (en)
TRANSLATION STRUCTURE, PULLEY AND DOOR-WINDOW ASSEMBLY

Title (de)
TRANSLATIONSSTRUKTUR, RIEMENSCHIEBE UND TÜR-FENSTER-ANORDNUNG

Title (fr)
STRUCTURE DE TRANSLATION, POULIE ET ENSEMBLE PORTE-FENÊTRE

Publication
EP 3808929 A4 20220119 (EN)

Application
EP 19935748 A 20191022

Priority

- CN 201910683063 A 20190726
- CN 2019112491 W 20191022

Abstract (en)
[origin: EP3808929A1] Disclosed are a translating structure, a sliding wheel, and a fenestration assembly, the translating structure includes a supporting frame, a guiding piece (20), a guiding block (30), a fixing frame, a sliding piece (80) and a sliding rod. The guiding piece (20) is disposed on the supporting frame, and is movable and restricted by the supporting frame; the guiding block (30) is mounted on and movable along with the guiding piece (20), and is provided with a guiding groove (301); the fixing frame is equipped with rollers (70); the sliding piece (80) is mounted in the fixing frame and partially inserted into the guiding groove (301); the sliding rod passes through the sliding piece (80), with two ends of the sliding rod passing through the fixing frame and fixedly connected to the supporting frame, wherein the sliding piece (80) is forced to move along an axial direction of the sliding rod by the guiding groove (301) of the guiding block (30) when the guiding piece (20) moves, and the fixing frame is forced to move along the axial direction of the sliding rod in a translational motion by movement of the sliding piece (80). The sliding wheel and the fenestration assembly both include the above-mentioned translating structure. The translating structure is easy to install, and has a simple structure, large bearing capacity, and an accurate transmission movement.

IPC 8 full level
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CPC (source: CN EP)
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Citation (search report)

- [X1] CN 105134021 A 20151209 - HEBEI ORIENT SUNDAR WINDOW CO
- [X1] DE 102016225385 A1 20180621 - ROTO FRANK AG [DE]
- See also references of WO 2021017199A1

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EP4170117A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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EP 3808929 A1 20210421; **EP 3808929 A4 20220119**; CN 110242164 A 20190917; CN 110242164 B 20240507; WO 2021017199 A1 20210204

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