

Title (en)
Daylight roller shutter

Title (de)
Tageslichtrollladen

Title (fr)
Volet roulant laissant entrer la lumière du jour

Publication
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Application
EP 11191232 A 20111129

Priority

- DE 102010052616 A 20101129
- DE 102010056308 A 20101227
- DE 102011005215 A 20110307
- DE 102011017662 A 20110428
- DE 102011078079 A 20110625
- DE 102011083115 A 20110921

Abstract (en)
[origin: EP2458127A2] The invention relates to roller shutters with daylight transmission. The roller shutters are installed in façades between an outer space and an inner space, comprising individual roller shutter profiles 52-55 having a sun-irradiated projection height H. The roller shutter profiles are shifted one into the other via hook- 47,48 or T-shaped profilings and/or they are kept at a distance via intermediate profiles or cords or by means of rigid or flexible bands or by means of distance holders wherein the roller shutter profiles either having punches in the area of the hook- 47,48 or T-shaped profilings or of the intermediate profiles or of the hinges, or they are held by means of distance-holders like bands or cords so that a view-out width D 42,43 results through which daylight irradiation 62 between the roller shutter profiles occurs. The invention is characterized in that the roller shutter profiles form light reception bays with a light reception width W. The light reception bays include at least one plane, arched or bent light reflection face 56-59, 100-105 having the width B. The light reflection faces 56-59, 100-105 are disposed at an angle preferably > 0° relative to the horizontal, and via the light reflection faces 56-59, 100-105 at least sun irradiation 28, 60/64, 61/65 with small sun incidence angles ± 1 may be reflected to inside into the upper half space of the interior, and via the light reflecting faces 56-59, 100-105 sun irradiation with higher incidence angles ± 2 may be reflected to the underside of the upper roller shutter profiles.

IPC 8 full level
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Citation (search report)

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ITBA20130002A1; CN111615580A; DE102012105380A1; IT201900012384A1; WO2016132387A1; IT201900007923A1; TWI681108B

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