

Title (en)

FOLDING SHUTTER ARRANGEMENT HAVING A PLURALITY OF INHERENTLY RIGID FOLDING SHUTTER ELEMENTS, IN PARTICULAR HAVING ELEMENT EDGES THAT BEND OUT AND ELEMENT EDGES THAT DO NOT BEND OUT IN ALTERNATION

Title (de)

FALTLADENANORDNUNG MIT MEHREREN IN SICH STARREN FALTLADENELEMENTEN, INSBESONDERE MIT ABWECHSELND AUSKNICKENDEN UND NICHT AUSKNICKENDEN ELEMENTKANTEN

Title (fr)

AGENCEMENT DE VOLET PLIANT COMPRENANT PLUSIEURS ÉLÉMENTS RIGIDES DOTES, EN PARTICULIER, DE BORDS INFLÉCHISSANTS ET NON INFLÉCHISSANTS EN ALTERNANCE

Publication

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Application

EP 12703954 A 20120116

Priority

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Abstract (en)

[origin: WO2012095324A1] In a folding shutter arrangement having three or more inherently rigid folding shutter elements (12) having element edges that bend out and element edges that do not bend out in alternation, a first folding shutter element (12A) is or can be fastened indirectly or directly to the building (1) so as to be pivotable about a first axis (12A'), which is stationary or nearly stationary with respect to a building (1), near a (first) element edge (13A) that does not bend out. A second folding shutter element (12B) is pivotably retained about a second axis (12B'), which can be moved perpendicularly to itself, near a second element edge (13B) that does not bend out, and can be moved along guides (16A, 16B) arranged perpendicular to the second element edge (13B) in pairs. Adjacent folding shutter elements (12A, 12B; 12C, 12D;...) are pivotably connected to each other in pairs at the third element edges (15A, 15B) thereof, which bend out and which are opposite from and parallel to the first and second element edges (13A, 13B;...), by means of a bend-out joint (14A, 14B;...). Additional folding shutter elements are connected in pairs to the preceding folding element pair and/or a last folding shutter element freely protruding at the end is pivotably connected to the folding element pair(s) near the second, fourth, or further element edge (13B;...) that does not bend out. At least one driving element (30) is provided, which can be moved along at least one of the guides (16A, 16B) and which drives at least one, preferably the last, of the second, fourth, or further element edge (13B,...) that does not bend out, in the opening or closing direction, and which forcibly pivots the folding shutter elements (12B, 12C;...) connected to at least one of the element edges (13B;...) that do not bend out, in pairs in the opening or closing direction by means of at least one coupling element (32A, 32B, 32C).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2012095324A1

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