

## Title (en)

Set of profiles for window frames and sash frames and window with window frame and sash

## Title (de)

Profilsatz für Blendrahmen und Flügelrahmen eines Fensters und Fenster mit Blendrahmen und Flügelrahmen

## Title (fr)

Ensemble de profilés pour cadre dormant et cadre de vantail d'une fenêtre et fenêtre avec un cadre dormant et un cadre de vantail

## Publication

**EP 2896775 A1 20150722 (EN)**

## Application

**EP 14461503 A 20140120**

## Priority

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## Abstract (en)

In a set of plastic profiles comprising a profile (10) of a frame (1) of a window frame (101) and a profile (20) of a frame (2) of a sash (102) matched in shape and dimensions to the profile (10) of the window frame (101) and in indirect contact with the profile (10) of the window frame (101) through seals, wherein the profile (10) of the window frame (101) has an outer wall (11), a middle wall (12), a wall-adjoining wall (13) and an inner wall (14), and the profile (20) of the frame (2) of the sash (102) surrounding a filling of the frame (2) of the sash (102) has an outer wall (21), a middle wall (22), a pane-adjoining wall (23), an inner wall (24), and a pane-surrounding wall (25), an over-profile space (60) limited by an uppermost part (111) of the reinforced outer wall (11) protruding over the middle wall (12) of the profile (10) of the window frame (101), and a plane (141) being an extension of an outer surface (142) of the inner wall (14) of the profile (10) of the window frame (101) has a width ( a ) measured in the direction perpendicular to a longitudinal axis (110) of the profile (10) of the window frame (101) equal to the sum of the thickness ( b ) of the flattened seal seated with one part in a groove in the area at the top of the profiled outer wall, the thickness (c) of the profile (20) of the frame (2) of the sash (102) measured in the direction perpendicular to a longitudinal axis (210) of the profile (20) of the frame (2), and the thickness ( d ) of an element (54) of the filling adjoining the inner wall (24) of the profile (20) of the frame (2) of the sash (102), and the profile (20) of the frame (2) of the sash (102) is placeable in the over-profile space (60) of the profile (10) of the window frame (101) in such a way that an outer surface (231) of the pane-adjoining wall (23) of the profile (20) of the frame (2) lies in the same plane (131) as the bent top surface (111) of the reinforced outer wall (11), and an outer surface (241) of the inner wall (24) of the profile (20) of the frame (2) lies in the plane (243) located away from the plane in which the plane (141) of the outer surface (142) of the inner wall (14) of the profile (10) of the frame (1) of the window frame (101) lies, at a distance equal to the thickness ( d ) of the extreme element of the filling adjoining the inner wall (24) of the profile (20) of the frame (2) of the sash (102).

## IPC 8 full level

**E06B 3/30** (2006.01); **E06B 3/66** (2006.01); **E06B 3/22** (2006.01)

## CPC (source: EP)

**E06B 3/301** (2013.01); **E06B 3/308** (2013.01); **E06B 3/6617** (2013.01); **E06B 3/221** (2013.01)

## Citation (applicant)

- DE 20304988 U1 20030605 - KOCK MORITZ [DE]
- DE 9304381 U1 19930519
- DE 102004041135 A1 20060302 - HAEUSLER LUDWIG [DE]

## Citation (search report)

- [I] DE 20100619 U1 20010308 - SCHUECO INT KG [DE]
- [I] DE 29816551 U1 19981217 - ISAL FENSTER UND FASSADENSYSYSTE [CH]
- [I] DE 29814676 U1 19981119 - VER GLASWERKE GMBH [DE]
- [A] DE 10321685 A1 20041230 - SFS HANDELS HOLDING AG HEERBRU [CH], et al
- [A] DE 29811151 U1 19980827 - KOEMMERLING KUNSTSTOFF [DE]

## Designated contracting state (EPC)

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