

Title (en)
Railing system

Title (de)
Geländersystem

Title (fr)
Système garde-corps

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Application
EP 07101980 A 20070208

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Abstract (en)
The invention relates to a railing system including a U-beam (2) and at least one plate-like element (1), preferably a glass plate, where the plate-like element (1) should be fitted at one edge in a groove (20) provided in the U-beam (2) and supported against it by two or more wedges (5; 14, 15). The wedge can be pressed in place by a screw (9) that is fitted to pass through part of the U-beam wall (2a). According to the invention, in the railing system the first inner surface (21) of the groove (20) of the U-beam (2) comprises, when observed on the cross-sectional plane of the U-beam, at least one straight surface (21a, 21b), that is placed at an inclined angle (\pm) with respect to the other inner surface (22) of the groove that is parallel with the surface of the plate-like element to be fitted in the groove, and the tip angle ($^{\circ}$) of the wedge (5; 14, 15) corresponds to the angle (\pm) left between the inclined parts of the first and second inner wall. In a preferred embodiment of the invention, a screw (9) is fastened to the wedge (5; 14, 15), so that when turning the screw in one direction, the wedge is movable along the first inner wall (21) of the U-beam groove, so that the plate-like element is in the locked position pressed by the wedge against the second inner wall of the U-beam, when the plate-like element should be fastened to the U-beam, and respectively when turning the screw in the other direction, the wedge is pulled in the opposite direction, to the rest position, where the plate-like element can be released from between the wedge and the first inner wall

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