

Title (en)
PROFILED PLASTIC SECTION FOR A METAL/PLASTIC COMPOSITE PROFILED SECTION

Title (de)
KUNSTSTOFFPROFIL FÜR EIN METALL-KUNSTSTOFF-VERBUNDPROFIL

Title (fr)
PROFILÉ EN PLASTIQUE POUR UN PROFILÉ COMPOSITE EN MÉTAL ET PLASTIQUE

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Abstract (en)
[origin: WO2018069859A1] The invention relates to a profiled plastic section (1) for a metal/plastic composite profiled section (31). The profiled plastic section (1) comprises a first profiled element (2) and at least one second profiled element (3). The first profiled element (2) and the second profiled element (3) together form a latching mechanism (4, 9; 5, 10; 6, 11), by means of which a form-fitting connection can preferably be produced between the first profiled element (2) and the second profiled element (3) in a width direction (x) and in a height direction (y). The first profiled element (2) and the second profiled element (3) overlap preferably over a large area when the form-fitting connection is produced between the first profiled element (2) and the second profiled element (3), and the form-fitting connection can be produced on the cross-sectional plane (x, y) between the first profiled element (2) and the second profiled element (3) by latching the profiled elements (2, 3) of the profiled plastic section (1). The form-fitting connection between the first profiled element (2) and the second profiled element (3) is designed such that a movement of the first profiled element (2) and the second profiled element (3) in a longitudinal direction (z) of the profiled plastic section (1) is allowed when a first metal component (29) is connected to the first profiled element (2) and a second metal component (30) is connected to the second profiled element (3) preferably in a shear-resistant manner. The profiled plastic section (1) can likewise also be designed with more than two profiled elements (2, 3), and the basic principle according to the invention of generating a shear-free plastic/metal composite profiled section (31) can be carried over.

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