

Title (en)
Infrastructure for a wall-cladding.

Title (de)
Fassadenunterkonstruktion.

Title (fr)
Infrastructure pour façades.

Publication
EP 0006245 A1 19800109 (DE)

Application
EP 79102033 A 19790620

Priority
• DE 2827148 A 19780621
• DE 7902266 U 19790127

Abstract (en)
1. Apparatus for fixing back-ventilated facades to building walls with a supporting member (11) which can be fixed to the outer wall, an adjustable spacer (15) and a facade holder (23) which, with a variable spacing with respect to the outer wall can be fixed to the spacer or the supporting member by means of screw or riveted joints, characterized by the combination of the following features : a) the supporting member comprises a support bar (11, 11a, 11b) with a U-shaped cross-section with lateral webs (13, 14) in which are formed aligned, circular or slot-shaped openings (42) for fixing the spacer (15) or the facade holder (23, 23a, 23b) and which are parallel to the support bar longitudinal axis (32) and on whose facing surfaces (13a, 14a) are formed corrugation-like thickened portions (33a, 33b, 34a, 34b) which are parallel to the support bar longitudinal axis and on the surfaces (13b, 14b) thereof which are remote from the corrugation-like thickened portions (33a, 33b, 34a, 34b) there are elongated corrugation-like thickened portions (41) ; b) the spacer (15) is constructed as a profile member with an H-shaped cross-section, whose one fork-like portion (17) has lateral webs (21, 22) arranged with the same spacing as the lateral webs (13, 14) of support bar (11, 11a, 11b) and whose other fork-like portions (16) is constructed in such a way that its lateral webs (19, 20) can be slid between the lateral webs (13, 14) of support bar (11, 11a, 11b), a corrugation-like thickened portion (36, 37, 36a, 37a) parallel to the longitudinal axis (35) of spacer (15) is formed on the facing surfaces with respect to each end portion (21a, 22a) of lateral webs (21, 22) of fork-like portion (17) and on the outer surface (19a, 20a) of lateral webs (19, 20) of fork-like portion (16) of spacer (15) tooth-like projections (38), with the same reciprocal grid are formed parallel to the longitudinal axis (35) of spacer (15) ; c) the facade holder (23, 23a, 23b) is constructed as a hollow profile with a rectangular or square cross-section which can be slid between the lateral webs (13, 14, 21, 22) of support bar (11, 11a, 11b) or the fork-like portion (17) of spacer (15) and has on the surface (24a, 25a) of the side walls (24, 25) which can be brought into working connection with the support bar (11, 11a, 11b) or the spacer (15) tooth-like projections (40) in a grid corresponding to the grid of the tooth-like projections (38) of spacer (15).

Abstract (de)
Die Erfindung betrifft eine Vorrichtung zur Befestigung von hinterlüfteten Fassaden an Gebäudewänden, mit einem an der Aussenwand befestigbaren Tragprofil, einem verstellbaren Distanzhalter und einem Fassadenhalter, der in variablem Abstand zur Aussenwand an dem Distanzhalter oder dem Tragprofil befestigbar ist. Die Erfindung besteht in der Kombination eines Lasten der Fassade ohne auf Wandbefestigungsanker wirkende Zusatzmomente aufnehmenden als Gleit- oder Festpunkt ausbildbaren Tragprofils (11) mit mindestens einem rechtwinklig zur Gebäudewand angeordneten vertikalen Steg mit vertikal parallel zur Gebäudewand angeordneten sickenförmigen Verdickungen und einem mit dem Tragprofil mittels Schraub- oder Nietverbindungen verbindbaren mit einem Fassadenhalter verbundenen Distanzhalter (15) oder Fassadenhalter (23) für sich allein. An dem Fassadenhalter werden die Fassadenplatten befestigt. Die Vorrichtung benötigt nur wenige Wandbefestigungselemente, besteht aus wenigen einfach und preiswert herzustellenden Bauelementen grosser Eigensteifigkeit und ist ohne enge Toleranzen einhalten zu müssen, leicht und schnell ohne besondere Sicherheitsmassnahmen in einem beliebigen Rastermass zu montieren.

IPC 1-7
E04F 13/08

IPC 8 full level
E04F 13/08 (2006.01)

CPC (source: EP)
E04F 13/0808 (2013.01)

Citation (search report)
• DE 2639552 A1 19780316 - HAASE WALTER
• FR 2332398 A1 19770617 - PROFIL VERTRIEB GMBH [DE]
• DE 2543174 A1 19770331 - HAASE WALTER

Cited by
FR2786215A1; EP1331325A3; EP1310611A1; DE102009030637A1; EP0052158A1; AT510032A4; AT510032B1; WO2010149631A1

Designated contracting state (EPC)
AT BE CH FR GB SE

DOCDB simple family (publication)
EP 0006245 A1 19800109; EP 0006245 B1 19810819; AT E159 T1 19810915

DOCDB simple family (application)
EP 79102033 A 19790620; AT 79102033 T 19790620