Title (en)

STIFFENED CHANNEL

Title (de)

VERSTEIFTER KANAL

Title (fr)

PROFIL STRIE RIGIDIFIE

Publication

EP 1748247 A1 20070131 (EN)

Application

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Priority

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Abstract (en)

This is a new grooved stiffened profile with mechanical characteristics superior to already known structural profiles, that can be used in building frameworks for roofing or large architectural vaults, that efficiently supports dead weight. The parts forming this profile can be summarized to consist of a central part, some flanges or sides placed both on the upper and lower parts, and some finished ends, placed at the ends of the part where these flanges consist of a flat surface, divided into three parts or sections: a first section with a flat surface, joined at one end to the central part by means of a bend, that with respect to the central part, is at a ninety-degree angle, and at the other end, with a bend toward an intermediate section with a flat surface, displaced from the axis of the flanges, and forming the stiffened section, followed by a second bend toward a third section with a flat surface, that is at the same level as the first section followed by a bend with one of the finished ends, in such manner that these are at a ninety degree angle with respect to the flanges, and because the central part, which also has a flat surface, is displaced by three sections: a first section with a flat surface, joined at the upper end to the bend of the upper flange, that shall be at a ninety degree angle, to continue to a middle section with a flat surface, displaced from the axis of the central part, and that forms the stretched section and, which is joined by means of some bends, followed by a third section similar to the first with a flat surface, which is at the same level as the first section, ending with a second bend toward the lower flange that will be at a ninety degree angle with respect to the central part. Therefore, the scope of the invention is subscribed to the universe of structural profiles used in building frameworks.

IPC 8 full level

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