

Title (en)

A method of manufacturing metal sections having a low degree of segmentation during manual bending and sections obtained therefrom

Title (de)

Verfahren zur Herstellung von metallischen, bei deren manuellem Biegen einen niedrigen Segmentierungsgrad zeigenden Profilen, und daraus hergestellte Profile

Title (fr)

Méthode de fabrication de profilés métalliques ayant un faible degré de segmentation pendant leur pliage manuel et des profilés ainsi obtenus

Publication

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Application

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Priority

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Abstract (en)

The invention relates to a method of manufacturing sections having a particular, novel shearing of a sheet, preferably a metal sheet, that allows sections which can be easily bent by hand to be provided in order to manufacture curved structural elements characterized in that they have a very reduced segmentation of the continuous non-sheared surface and that they can be stiffened without using weld material. The section has "Y"-shaped shearing and is provided with a certain pitch crosswise to the section so that the upper vertexes of the "Y"-shape lie on the bending line of the non-sheared side. When the section is bent, the continuous non-sheared side is segmented at the contact points of the vertexes of the "Y"-shape. Therefore, under the same number of slotting, the section of the present invention has a greater segmentation, thus providing a more uniform bending. In addition, the curved section can also be self-stiffened because of the fastening of the bent and squashed extension tabs to the adjacent tabs of the sheared side only by punching. <IMAGE>

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- [A] WO 0142579 A1 20010614 - GUERRASIO ANTONIO [IT]
- [A] WO 9921669 A1 19990506 - ALUTERM S R L [IT], et al

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