

Title (en)

Tube for hydroforming applications and method for hydroforming a tube

Title (de)

Rohr zum Innenhochdruckumformen sowie Verfahren zum Innenhochdruckumformen eines Rohres

Title (fr)

Tube adapté pour l'utilisation dans un procédé d'hydroformage et procédé d'hydroformage d'un tube

Publication

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Application

EP 05075534 A 20050304

Priority

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Abstract (en)

The invention relates to a straight steel tube for hydroforming applications, especially for producing the A-pillar, B-pillar or C-pillar of an automobile. According to the invention, the steel has a tensile strength of more than 400 MPa, wherein the tube has a wall thickness of 1 - 4 mm, and wherein the tube has been provided with a longitudinal dimple over at least 25 % of the length of the tube, the tube having a mean diameter between 30 mm and 200 mm in the region of the dimple. The invention also relates to a method for hydroforming a steel tube, especially for hydroforming the A-pillar, B-pillar or C-pillar of an automobile.

IPC 8 full level

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Citation (search report)

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