

Title (en)

USE OF A ROLL-CLAD ALUMINIUM WORKPIECE FOR MANUFACTURING A BENT TUBE, AND BENT TUBE

Title (de)

VERWENDUNG EINES WALZPLATTIERTEN ALUMINIUMWERKSTÜCKS ZUR HERSTELLUNG EINES FALTROHRES, UND FALTROHR

Title (fr)

UTILISATION D'UNE PIÈCE EN ALUMINIUM PLAQUÉE PAR LAMINAGE, ET TUBE PLIE

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Application

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Abstract (en)

[origin: CA2903590A1] The invention relates to a method for producing a roll-clad aluminium workpiece (7), wherein a core ingot (2) is produced from an aluminium alloy and at least one cladding piece (6) is produced from a cladding material, wherein at least one groove (4) is introduced into the core ingot (2) and/or into a layer applied to the core ingot (2), wherein the cladding piece (6) is inserted into the groove (4), and wherein the core ingot (2) is hot-rolled after the cladding piece (6) has been inserted, the width of the groove being equal to or less than 85% of the core ingot width. The invention further relates to a roll-clad aluminium workpiece (7) comprising a core (8) made of an aluminium alloy and comprising at least one cladding layer (10) made of a cladding material on one side of the aluminium workpiece (7), the cladding layer (10) extending along only one portion of the side of the aluminium workpiece (7), and the portion accounting for at most 95% of the entire surface of the side. The invention further relates to the use of such a roll-clad aluminium workpiece (7) for producing a soldered workpiece, in particular a folding tube.

IPC 8 full level

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See references of WO 2014147071A1

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