

Title (en)

METHOD OF MANUFACTURING COOLING DEVICES MADE UP OF SEVERAL METAL SHAPED-SECTION ELEMENTS FOR MOUNTING ON SEMICONDUCTOR COMPONENTS, SHAPED-SECTION ELEMENTS FOR USE IN THE MANUFACTURE OF SUCH COOLING DEVICES AND COOLING DEVICES MANUFACTURED BY THE METHOD

Title (de)

VERFAHREN ZUR HERSTELLUNG VON KÜHLKÖRPERN ZUM ANBAU AN HALBLEITERBAUELEMENTE

Title (fr)

PROCEDE POUR PRODUIRE DES ELEMENTS DE REFROIDISSEMENT COMPOSES DE PLUSIEURS PROFILS PARTIELS EN METAL POUR MONTER SUR DES COMPOSANTS A SEMI-CONDUCTEUR, PROFILS POUR PRODUIRE DES ELEMENTS DE REFROIDISSEMENT DE CE TYPE ET ELEMENTS DE REFROIDISSEMENT OBTENUS SELON LEDIT PROCEDE

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Abstract (en)

[origin: WO9727619A2] Proposed is a method of manufacturing cooling devices made up of several metal shaped-section elements (1, 2), the method calling for grooves (112, 122, 212, 232) and beads (111, 211, 231) on each of the shaped-section elements to be fitted into each other and connected by the application of pressure in the transverse direction. The outwards-protruding groove walls, designed as beads (121, 223, 233), on one element (1, 2) are pushed into suitably located grooves (122, 212, 232) in a neighbouring section (1, 2), bending inwards and/or deforming plastically, so that each bead entering its associated groove is physically locked in place. Also proposed are shaped-section elements for use in the cooling device and cooling devices manufactured by the method from such elements.

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IPC 8 full level

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