

Title (en)

METHOD FOR MANUFACTURING A THIN SHEET FOR PRODUCING CANNING COMPONENTS

Title (de)

VERFAHREN ZUR HERSTELLUNG DÜNNER BLECHE, GEEIGNET FÜR DIE ANFERTIGUNG VON DOSENTEILEN

Title (fr)

PROCEDE DE FABRICATION D'UNE FEUILLE MINCE APTE A LA CONFECTION D'ELEMENTS CONSTITUTIFS DE BOITES

Publication

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Application

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Abstract (en)

[origin: US5616190A] PCT No. PCT/FR94/00861 Sec. 371 Date Apr. 24, 1995 Sec. 102(e) Date Apr. 24, 1995 PCT Filed Jul. 11, 1994 PCT Pub. No. WO95/02708 PCT Pub. Date Jan. 26, 1995The invention relates to a process for producing, by casting between rolls, an aluminum alloy sheet suitable for making up constituent elements of cans for food use, the aluminum alloy containing (by weight) between 1 and 4% of Mg and between 0 and 1.6% of Mn, the process being characterized in that said sheet is obtained by casting of said alloy in the liquid state between two rolls in the form of a strip having a thickness of at most 4 mm followed by at least one heat treatment at a temperature between 400 DEG and 580 DEG C. so that the sheet is at least partially recrystallized and cold-rolling to a final thickness of less than 0.3 mm. The sheet obtained has a yield stress, a formability index and a resistance of the coating to delamination which are improved and make it suitable for application to can manufacture and, in particular, to can lids.

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IPC 8 full level

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