

Title (en)

METHOD AND APPARATUS FOR MANUFACTURING MICROPERFORATED ALUMINUM TRAYS FOR FOODSTUFF

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG VON MIKROPERFORIERTEN ALUMINIUMSCHALEN FÜR LEBENSMITTEL

Title (fr)

PROCÉDÉ ET APPAREIL DE FABRICATION DE PLATEAUX D'ALUMINIUM MICROPERFORÉS POUR PRODUITS ALIMENTAIRES

Publication

**EP 3808552 A1 20210421 (EN)**

Application

**EP 19425073 A 20191017**

Priority

EP 19425073 A 20191017

Abstract (en)

In a perforating station (40), a strip (10) of aluminum foil unrolling from a roll (12) is punched to form a plurality of microperforations. In a molding station (14), a portion (P) of aluminum foil is separated from the strip (10) output from the perforating station (40) and molded into the shape of a tray (20). In the perforating station (40), the strip (10) is intermittently punched, in synch with the operation of the molding station (14), at a desired region (R) between a punching plate (42) provided with a plurality of needles (44) and a counter plate (46) suitable to be passed through by the needles (44). The pitch between two consecutive perforated regions (R), as determined by the intermittent punching action, corresponds to the length of the portion (P) of aluminum foil or to a multiple thereof.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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- [A] WO 2015009518 A1 20150122 - MEADWESTVACO CORP [US]
- [A] US 5720915 A 19980224 - JOPPEN HENK [NL], et al
- [A] EP 2179824 A1 20100428 - WARDENBURG MALGO ENGINEERING BV [NL], et al
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Designated contracting state (EPC)

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