

Title (en)

APPARATUS FOR OBTAINING MULTILAYER SHEETS FOR PRINTED CIRCUITS AND RELATIVE METHOD

Title (de)

VORRICHTUNG FÜR GEWINNUNG MEHRSCICHTIGER FOLIEN FÜR GEDRUCKTE SCHALTUNGEN UND ENTSPRECHENDES VERFAHREN

Title (fr)

APPAREIL PERMETTANT D'OBTENIR DES FEUILLES MULTICOUCHES POUR CIRCUITS IMPRIMÉS ET PROCÉDÉ ASSOCIÉ

Publication

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Application

EP 14799026 A 20140910

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Abstract (en)

[origin: WO2016009455A1] The invention refers to an apparatus for obtaining multilayer sheets for printed circuits comprising a two-level press by means of which it is possible to exert a vacuum pressure on a stack of mutually superimposed multilayer packs with the interposition of separation sheets made of anodized aluminum. The packs include dielectric layers variously metalized on at least one face, alternated with prepreg layers. The metallization elements present on the two sides of each pack are portions of a copper band repeatedly folded at 180° around each pack and each separation sheet. In the copper band, a strong current circulates which heats the band via Joule effect. The heat thus generated causes the close fixing of the various layers in each pack. A PLC, connected to several thermal probes assisted by a PC, controls the current generator in order to make the temperature of the stack increase according to a pre-established gradualness, consequently obtaining about the same temperature in all the packs of the stack. The apparatus, object of the invention, also comprises a ventilation apparatus by means of which it is possible to accelerate the cooling of the stack of packs at the end of the pressing process. In particular, the PLC, assisted by the PC, controls the ventilation apparatus in order to make the temperature of the stack decrease according to a pre-established gradualness.

IPC 8 full level

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Citation (search report)

See references of WO 2016009455A1

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