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(54) Title: METHOD FOR MANUFACTURING A SOUND- ABSORBING SANDWICH PANEL FOR REDUCING NOISE OF AN AIRCRAFT ENGINE

(57) Abstract: The method for manufacturing a sound- absorbing panel (10) with a sandwich structure for reducing the noise impact of an aeronautic engine comprises the following steps in sequence: a) providing a first skin (12) in a thermoplastic polymeric material; b) making a plurality of micro-holes (18) through the first skin (12) by mechanical punching of the first skin (12); c) securing said first skin (12) to a central layer (14) by arranging a structural adhesive layer between the first skin (12) and the central layer (14) and/or by a thermal weld between the first skin (12) and the central layer (14); and d) securing said central layer (14) to a second skin (16) by arranging a structural adhesive layer between the central layer (14) and the second skin (16) and/or by a thermal weld between the central layer (14) and the second skin (16).



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