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- (71) Applicant: RUAG SCHWEIZ AG, RUAG SPACE
[CH/CH]; Schaffhauserstrasse 580, CH-8052 Zürich (CH).
- (72) Inventors: BURKHARD, Gregor; Mettelweg 2, CH-4600
Olten (CH). NÄGELI, Dominik Christian; Breit-
wiesstrasse 15 B, CH-8580 Amriswil (CH).
- (74) Agent: GYENGE, Zoltán; OK pat AG, Chamerstrasse 50,
CH-6300 Zug (CH).
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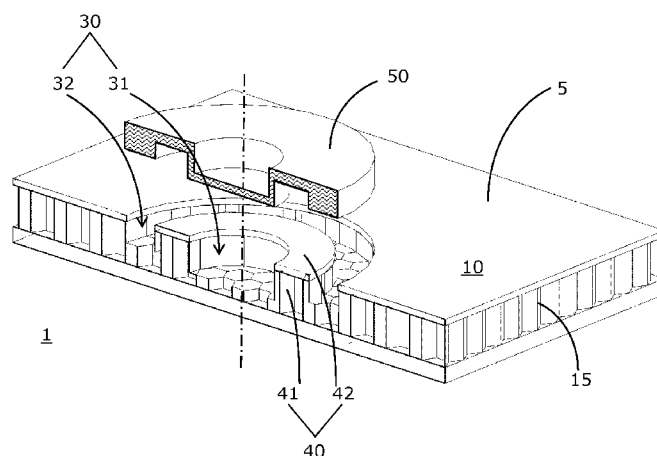


Fig. 9A

(57) Abstract: A lightweight support structure (1) comprising a composite sandwich panel (5) having a first face sheet (10) and a lightweight core (15) attached to the face sheet (10) and an essentially rotationally symmetric cut-out (30) extending through the first face sheet (10) and into said lightweight core (15), the cut-out (30) comprising an essentially rotationally symmetric inner cut-out (31) and an essentially rotationally symmetric outer cut-out (32) arranged essentially concentric with respect to each other, providing for a support (40) inbetween, said support (40) comprising a core support (41) cut from said lightweight core (15) and a support face sheet disc (42) on top, cut from of said first face sheet (10), wherein a rotationally symmetric insert (50) is fitted into said cut-out (30) for load application and/or anchorage of various components into, respectively onto the composite sandwich panel (5).

