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(54) Title: VACUUM SOLAR THERMAL PANEL WITH A VACUUM TIGHT GLASS-METAL SEALING

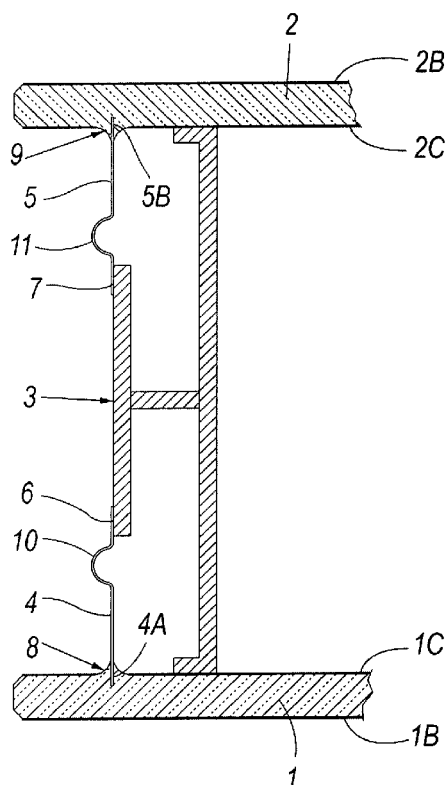


Fig. 3

(57) Abstract: Vacuum solar thermal panel comprising a vacuum envelope (30) defining a sealed volume, able to withstand atmospheric pressure when evacuated, at least one heat absorber (12) being disposed inside the vacuum envelope (30), a pipe (13) entering and exiting the envelope (30) and being in contact with the heat absorber (12), said vacuum envelope (30) comprising a first plate (1; 101) made of glass, a peripheral frame (3) disposed substantially at the periphery of the first plate (1; 101), a metallic peripheral belt (4, 5; 104) joining the peripheral frame (3) to the first plate (1; 101), said metallic peripheral belt (4; 104) being joined to the first plate (1; 101) by means of a vacuum tight bulk glass-metal seal (8; 108), comprising glass material (14; 114) and obtained by fusion and subsequent solidification of said glass material (14; 114).

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