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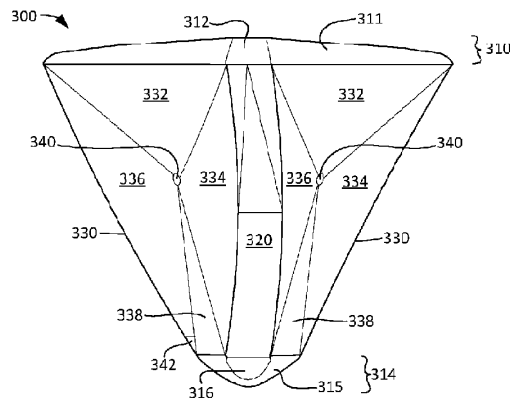
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- as to the identity of the inventor (Rule 4.17(i))
- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

(54) Title: RECEIVERS FOR SOLID FORMATIONS OF NON-VOLATILE BITUMINOUS MATERIALS SUITABLE FOR REDUCING CARBON DIOXIDE EMISSIONS DURING TRANSPORT

FIG. 3A



(57) Abstract: A receiver for irregularly shaped bricks cast from non-volatile bituminous material includes a receiver with a specialized storage chamber that can receive viscous bituminous material and a concave lid preferably modified with a radiant heating system that can accept and melt or soften arriving bricks. The lid includes multiple openings or other delivery routes that funnel the melted bituminous material to the chamber below. The radiant heating system can be electrical where cables or grids are embedded in the lid or where conductive materials coat or are distributed throughout the lid. Alternatively, the radiant heating system can be hydronic where channels or conduits are embedded in the lid to circulate heated liquid such as water or water mixed with propylene glycol. The receiver can also include blenders, skimmers, and additional heaters to further skim, blend, or process the bituminous material collected in the chamber.

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