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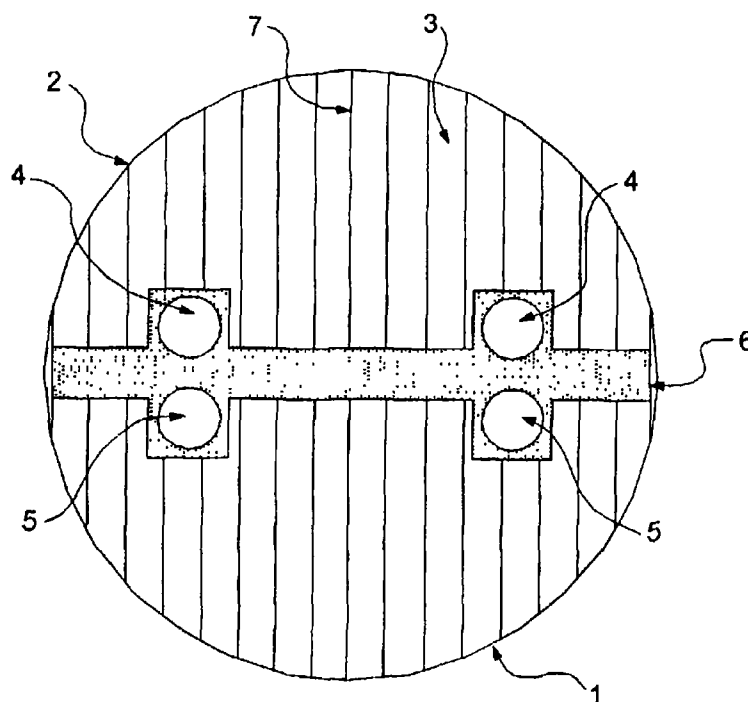
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(54) Title: HYDROGEN STORAGE BED SYSTEM INCLUDING AN INTEGRATED THERMAL MANAGEMENT SYSTEM



(57) Abstract: 0 hydrogen storage bed system (1) which includes a pressure container (2), a hydrogen alloy (3) disposed within the pressure container (2), and an integrated thermal management system integrally disposed within the pressure container. The integrated thermal management system includes heat generation means (4), cooling means (5) and heat distribution means comprising heat sink (6) with heat distribution fins (7).

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