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(54) Abstract Title: **Construction unit**

(57) A construction unit (1) includes a metal shell in the form of an open-topped waste steel can (3) having a glass core (5). The glass core (5) is a solid glass core provided by a quantity of waste glass cullet which has been heated in the can to fuse the cullet, before allowing to cool in the can. The construction unit (1) may have a plurality of linking members in the form of metal wires (7) extending from one end to the other through the entire length of the glass core (5) and projecting from its ends (4, 8). The wires (7) may facilitate joining of the construction unit (1) to other construction units (1) in use. The construction units (1) may be embedded in concrete to provide a composite concrete construction unit. The alkali-silica reaction which may occur between cement and glass may be reduced or avoided due to the reduction or elimination of direct contact between the glass and cement. The composite concrete construction unit may also provide environmental advantages through the reuse of glass and metal materials.

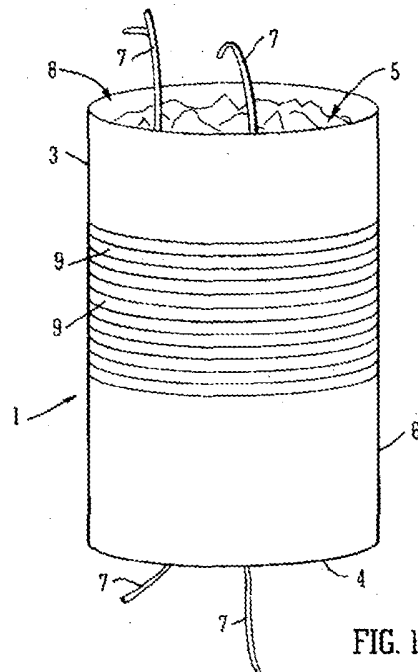


FIG. 1

GB 2463183 A continuation

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