

ABSTRACT

A METHOD OF STRENGTHENING MOULDS OF ALUMINIUM OR ITS ALLOYS

- 5 The invention relates to a method of strengthening a mould manufactured from aluminium or its alloys. One method of strengthening a mould having mould body and mould walls as an integral unit is to include at least one inserts into each of the mould walls. These inserts are of stronger material or materials as compared to the mould material. Each of these inserts is of substantially the same height as that of the mould
- 10 wall at the position where it is located. Another method uses reinforced walls which are separate units, with the reinforced walls made of a higher strength material or materials than that of the mould body. The reinforced walls are coupled to the mould body either by fasteners or by welding or bonding or by any other suitable mean. The invention also relates to moulds including strengthening according to one or more of
- 15 these methods.

Fig. 1



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