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## Patent Search

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### Abstract:

The objective of the work is to combine multiple mould boxes to reduce the processing time and layout of the industry. The gating system is the channel through which molten metal flows to the . mould cavity. Runner and gating is an important role of sand casting process for smooth laminar flow to the mould cavity. The key measure is smooth flow to the cavity to achieve sound casting. This study is focused on design of runner, gating and combination of mould boxes in sand casting process. The 6L is selected for this investigation and also it is suitable for the structure of yachts, bicycle frames, motor cycles, fishing reels, valves and couplings. In this work, the con runner and gating are simulated and implemented. Abstract

Complete Specification

## We Claim:

1. Cube patterns are made by wood, ferrous and non-ferrous materials a base plate with different materials
2. The apparatus as claimed in claim 1 wherein the cube and other geometries.
3. The apparatus as claimed in claim 1 wherein the said riser and gating systems are enlarged with ratio
4. The apparatus as claimed in claim 1 sprue pin is designed by laminar flow
5. Fixture for square guided apparatus the apparatus as claimed in claim 1; Combination of more than 3 cubes

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