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(54) Title: MATERIAL, APPARATUS, AND METHOD FOR REFRACTORY CASTINGS

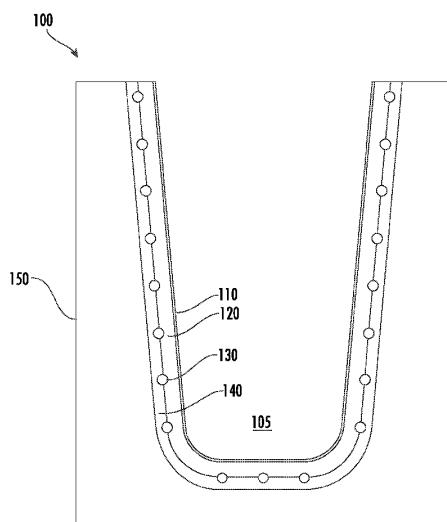


FIG. 1

(57) Abstract: Provided herein is a system, apparatus, and method for producing refractory products, and more particularly, to producing heated refractories, passive refractories, transition plates, moldable refractories, and accessories such as heated spouts, heated pins, thimbles, and dams. A heated refractory channel as disclosed herein may include a working surface to contain molten metal within the channel; a core adjacent to the working surface; one or more heating elements disposed within the core; and insulation, where the core is disposed between the working surface and the insulation. The one or more heating elements may be molded into the core. The heating elements may be electrical resistance heating elements.



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