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Creep Resistant Zircon Refractory Material Used In A Glass Manufacturing System

ABSTRACT

A glass manufacturing system is described herein that has a forming device (e.g., isopipe) which is made from a zircon refractory material that has an improved creep resistance property. The zircon refractory material has a composition with at least the following elements: ZrSiO_4 (98.75-99.68 wt%); ZrO_2 (0.01-0.15 wt%); TiO_2 (0.23-0.50 wt%); and Fe_2O_3 (0.08-0.60 wt%).

Figure 1



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