TRANSFER OF FORCE FROM MANIFOLD TO PLATE OF HOT RUNNER OF INJECTION MOLDING SYSTEM USABLE FOR MOLDING METAL ALLOY

ABSTRACT

Disclosed is an injection molding system usable for molding of a metal alloy above a solidus temperature of the metal alloy, the injection molding system, having a hot runner (26), including: (A) a manifold plate (64), and (B) a manifold (170) abutting the manifold plate (64), the manifold (170) having a drop, the manifold (170) configured to transfer a load to the manifold plate (64) along a direction extending inclined relative to the drop. Disclosed is a hot runner (26) of an injection molding system usable for molding of a metal alloy above a solidus temperature of the metal alloy, the hot runner (26), including: (A) a manifold plate (64); and (B) a manifold (170) abutting the manifold plate (64), the manifold (170) having a drop, the manifold (170) configured to transfer a load to the manifold plate (64) along a direction extending inclined relative to the drop.

Figure no. 1 is suggested for publication.