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Abstract (en)

In accordance with an exemplary embodiment, a mold having an inner space to which molten steel is injected includes a body having the inner space, and an inner surface of the body, which heads toward the inner space, includes a first inclined surface that is inclined to be gradually away from an outer surface opposite to the inner surface in a downward direction and a second inclined surface that is disposed below the first inclined surface and inclined to be gradually close to the outer surface in the downward direction.In accordance with exemplary embodiments, a compensation rate for shrinkage of a solidified shell is improved. That is, a compensation rate for shrinkage in a long side direction and a short side direction of the solidified shell is improved by a convex member and the inclined surface disposed on the inner surface of the body. Particularly, a compensation rate for shrinkage of the solidified shell at an upper portion of the inner space of the mold is improved. Thus, a gap occurring between the solidified shell and the inner surface of the mold caused by the shrinkage of the solidified shell may be suppressed or prevented, and a solidification delay phenomenon caused by the gap may be suppressed or prevented. Therefore, occurrence of break out and a defect on a surface of a slab may be suppressed or prevented.

IPC 8 full level

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