

PATENT APPLICATION
« Method for producing steel for large molds »

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ABSTRACT TO THE DISCLOSURE

The present invention concerns a method for producing steel for large molds

According to the invention, this steel is obtained by being melted in an electric furnace followed by a secondary metallurgical operation in a heating ladle, this operation being followed by a degassing under vacuum of less than 1 torr, in fact 0.2
torrs of a mixture having the following composition :

Manganese 1 at 3%, silicon $\leq 0.400\%$, phosphorus $\leq 0.015\%$, chromium 1.50 at 3.5%, molybdenum 0.25 at 1%, niobium 0.100 - 0.250%, 100 to 300ppm titanium or zirconium if necessary, copper $\leq 0.300\%$, nickel $\leq 0.300\%$, nitrogen ≤ 80 ppm, oxygen ≤ 80 ppm, calcium ≤ 30 ppm, 15 to 50 ppm boron, 0.10 to 0.25% carbon, sulfur $\leq 0.050\%$, aluminum < 250 ppm.

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