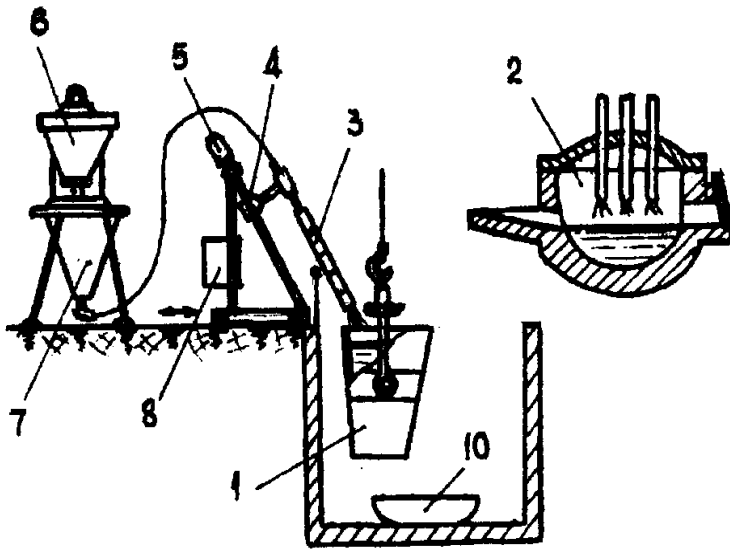




Treatment of melts by powder materials in foundry

The developed and tested in industrially equipment and technologies allow to reduce the content of sulphur in steel to 0.008%, in cast iron - to 0.005%; oxygen - 1.5-2 times; to reduce casting rejects on cracks and gaseous porosity 2-3 times; to achieve the improvement of plastic properties and impact toughness.



- 1 - ladle with molten metal;
- 2 - electric furnace;
- 3 - lance;
- 4 - arm with carriage;
- 5 - electric motor;
- 6 - accessory container with powder;
- 7 - control console;
- 9 - pile;
- 10 - slag tray.

Technical data:

ladle capacity - 6...20 t; maximum lance movement - 1800 mm; lance slope to the vertical - 15...30 degr.; gas consumption - 0.1...1.0 m³/min; powder consumption - 1...8 kg/t; treatment duration - 3...5 min.; temperature reduction of metal during treatment - 10...40 °C; installed capacity - 1.5-0.4 kW; unit mass (with gas cylinder) - 450 kg; carrying gas - argon, nitrogen, air, carbon dioxide.

The equipment may be produced during 6-12 months.

Please forward your proposals and suggestions to:

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