

Title (en)
Pouring device for metal melts

Title (de)
Eingussvorrichtung für Metallschmelzen

Title (fr)
Dispositif de coulée pour fontes métalliques

Publication
EP 2140956 B1 20130515 (DE)

Application
EP 09164471 A 20090702

Priority
DE 102008031362 A 20080704

Abstract (en)
[origin: EP2140956A1] The pouring device comprises an inlet opening (31) and an outlet opening (32) for molten metal, and a flow path (27) for the molten metal formed between the inlet and outlet openings. The flow path is formed by a path (33) around 180[deg] C. An entrance area (5) downstream to the inlet opening is intended in the device and the entrance area comprises a large cross-section as the inlet opening. The device has a cross sectional area, which has a respective cross-section as the preceded cross sectional area. The pouring device comprises an inlet opening (31) and an outlet opening (32) for molten metal, and a flow path (27) for the molten metal formed between the inlet and outlet openings. The flow path is formed by a path (33) around 180[deg] C. An entrance area (5) downstream to the inlet opening is intended in the device and the entrance area comprises a large cross-section as the inlet opening. The device has a cross sectional area, which has a respective cross-section as the preceded cross sectional area. The cross-section area has an equally large or small cross-section than the preceded cross-section area. An interior wall of the pouring device has bumps. The flow path is partially filled with polystyrene and a filter is arranged in the flow path. A reducer is arranged in the outlet opening and the pouring device is formed together from fireclay component. The pouring device is formed from incombustible mass, ramming mixture, core sand and/or molding sand.

IPC 8 full level
B22D 43/00 (2006.01); **B22C 9/08** (2006.01)

CPC (source: EP)
B22C 9/086 (2013.01); **B22D 43/001** (2013.01); **B22D 43/004** (2013.01)

Cited by
CN111496242A; CN103111586A; CN104128599A; CN108380848A; WO2019120634A1

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