

Title (en)

Gas purging element with its corresponding gas supply line

Title (de)

Gasspül-Element mit zugehöriger Gaszuführ-Leitung

Title (fr)

Élément de lavage de gaz avec conduite d'alimentation en gaz correspondante

Publication

EP 2703761 B1 20160817 (DE)

Application

EP 12181902 A 20120827

Priority

EP 12181902 A 20120827

Abstract (en)

[origin: EP2703761A1] Gas purging element (10) comprises (a) a refractory ceramic body having a first end and a second end. The second end is in the installed state of the gas purging element in contact with a molten metal. The first end is externally covered by a metal sheath (12) having an opening (16) which is followed by a gas connection pipe (20). The gas purging element, the body and the gas connection pipe are designed such that a treatment gas flows through the body, which is supplied via the gas connection pipe and emerges from the body at the second end. Gas purging element (10) comprises (a) a refractory ceramic body having a first end and a second end. The second end is in the installed state of the gas purging element in contact with a molten metal. The first end is externally covered by a metal sheath (12) having an opening (16) which is followed by a gas connection pipe (20). The gas purging element, the body and the gas connection pipe are designed such that a treatment gas flows through the body, which is supplied via the gas connection pipe and emerges from the body at the second end. The gas connection pipe is connected to the metal sheath and is formed as a plug or socket of a plug connection for connecting to a corresponding socket, or a corresponding connector of a gas supply line (30). An independent claim is also included for a gas supply line for a gas purging element, comprising a first end and a second end for connection to the gas connection socket of the gas purging element, where the second end corresponds to the gas connection pipe as a plug or socket of the plug-in connection between the gas connection pipe.

IPC 8 full level

F27D 3/16 (2006.01); **C21C 5/34** (2006.01)

CPC (source: EP KR US)

B22D 1/002 (2013.01 - EP KR US); **C21C 5/34** (2013.01 - US); **C21C 5/35** (2013.01 - EP KR US); **C21C 5/48** (2013.01 - US); **C21C 7/072** (2013.01 - EP KR US); **F27D 3/16** (2013.01 - EP KR US)

Citation (examination)

- DE 4029024 A1 19920319 - BEDA OXYGENTECH ARMATUR [DE]
- DE 19948848 C1 20000713 - DOLOMITWERKE GMBH [DE]

Cited by

CN109777921A; WO2019145522A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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