

Title (en)
BOTTOM-BLOWING PLUG

Title (de)
SPÜLSTEIN

Title (fr)
BOUCHON À SOUFFLAGE INFÉRIEUR

Publication
EP 3231878 A1 20171018 (EN)

Application
EP 15888078 A 20151007

Priority
JP 2015005096 W 20151007

Abstract (en)
A bottom blowing plug to be attached to a large combined blowing converter and having a high durability. This plug has a plurality of through holes at a central portion of an upper surface of a plug body which intersects with a gas blow-in direction. When S_u cm² is area of the upper surface and S_o cm² is area of an opening group portion surrounded by centers of openings of outermost ones of the through holes, $S_o/S_u \geq 0.25$ and $S_u \leq 400$ cm². Density of the openings constituting the group of openings, which is expressed by the number of openings divided by the area S_o of the opening group portion, is 0.6 to 3.9 opening/cm².

IPC 8 full level
C21C 7/00 (2006.01); **C21C 5/34** (2006.01); **C21C 5/48** (2006.01); **C21C 7/072** (2006.01)

CPC (source: EP KR)
C21C 5/34 (2013.01 - EP); **C21C 5/35** (2013.01 - KR); **C21C 5/4653** (2013.01 - KR); **C21C 5/48** (2013.01 - EP); **C21C 7/072** (2013.01 - EP KR)

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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