

Title (en)
PNEUMATIC SLAG STOPPER

Title (de)
PNEUMATISCHER SCHLACKENSTOPPER

Title (fr)
STOPPEUR DE SCORIES PNEUMATIQUE

Publication
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Application
EP 19712236 A 20190327

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Abstract (en)
[origin: WO2019185728A1] The invention relates to a pneumatic slag stopper for pneumatically sealing a tap hole channel (18) of a metallurgical vessel in relation to an outlet of slag by means of at least one gas flow introduced from at least one gas outlet opening (20) into the tap hole channel (18), wherein the gas outlet opening (19) is attached to a pivot arm (13), which can pivot about a pivot axis (15) by means of a pivot drive, and the pivot arm (13) has a gas supply channel (23) feeding into the at least one gas outlet opening (20). The longitudinal axis (14) of the at least one gas outlet opening (19) is substantially parallel to the pivot axis (15). The invention also relates to a metallurgical vessel having a tap hole channel and a slag stopper according to the invention secured to the metallurgical vessel, wherein the longitudinal axis of the tap hole channel is substantially parallel to the pivot axis. In the method for pneumatically sealing a tap hole channel of a metallurgical vessel in relation to the outlet of slag by means of a gas flow provided from at least one gas outlet opening, the gas outlet opening attached to a pivot arm is positioned in front of the tap hole (24) of the tap hole channel in a sealing position, in which the pivot arm is pivoted with a pivoting movement into the sealing position in front of the tap hole (24), wherein the pivoting movement occurs in a plane substantially perpendicular to the longitudinal axis of the tap hole channel (18).

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