

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No.	International filing date (<i>day/month/year</i>)	(Earliest) Priority Date (<i>day/month/year</i>)	
PCT/UA2010/000089	25/11/2010	04/11/2010	
Applicant			
SHEMIGON, Mikhail Vladimirovich			

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 5 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. **Basis of the report**

a. With regard to the **language**, the international search was carried out on the basis of:

- the international application in the language in which it was filed
 a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6**bis**(a)).

c. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (See Box No. II)

3. **Unity of invention is lacking** (see Box No III)

4. With regard to the **title**,

- the text is approved as submitted by the applicant
 the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

- the text is approved as submitted by the applicant
 the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 1
 as suggested by the applicant
 as selected by this Authority, because the applicant failed to suggest a figure
 as selected by this Authority, because this figure better characterizes the invention
- b. none of the figures is to be published with the abstract

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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

The invention concerns a section for processing liquid metal with gases, produced from individual elements, interconnected by a coupler, between which capillary openings for gas outlet are situated, wherein the capillary openings for gas outlet are formed at least with two individual separators and are situated between elements at their opposite edges; the section has at least one longitudinal through hole at a distance from the maximum wear and tear from the top of section and the coupler is designed as a mounting rod which is located in this hole, in addition the lateral surfaces of the section have a sealing coating.

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A. CLASSIFICATION OF SUBJECT MATTER
INV. C21C5/48 F27D3/16 B22D1/00
ADD.
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
Minimum documentation searched (classification system followed by classification symbols)
C21C B22D F27D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	UA 35 356 U (N.N.) 10 September 2008 (2008-09-10) cited in the application abstract; figures -----	1-7
A	US 2002/153645 A1 (ABRINO DONALD E [US] ET AL) 24 October 2002 (2002-10-24) paragraph [0044]; figures 2-3,8 -----	1-7
A	JP 2000 282129 A (NIPPON KOKAN KK) 10 October 2000 (2000-10-10) abstract; figures -----	1-7
A	JP 60 002615 A (NISSHIN STEEL CO LTD; ASAHI GLASS CO LTD) 8 January 1985 (1985-01-08) abstract; figures -----	1-7
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Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

<p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>"&" document member of the same patent family</p>
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Date of the actual completion of the international search 16 November 2011	Date of mailing of the international search report 25/11/2011
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Ceulemans, Judy
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INTERNATIONAL SEARCH REPORT

International application No
PCT/UA2010/000089

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SU 570 453 A1 (TSNII CHERNOJ METALLURG [SU]) 30 August 1977 (1977-08-30) cited in the application abstract -----	1-7

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/UA2010/000089

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
UA 35356	U	10-09-2008	NONE
US 2002153645	A1	24-10-2002	US 2002153645 A1 24-10-2002
			US 2004108637 A1 10-06-2004
JP 2000282129	A	10-10-2000	NONE
JP 60002615	A	08-01-1985	NONE
SU 570453	A1	30-08-1977	NONE