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(71) Applicant: **ATLAS COPCO AIRPOWER, NAAM-
LOZE VENNOOTSCHAP** [BE/BE]; Boomssteenweg
957, B-2610 Wilrijk (BE).

(72) Inventor: **ÖHMAN Henrik**; c/o ATLAS COPCO AIR-
POWER, naamloze vennootschap, Boomssteenweg 957,
B-2610 Wilrijk (BE).

(74) Agents: **VAN VARENBERG, P.** et al.; Bureau M.F.J.
Bockstael nv., Arenbergstraat 13, 2000 Antwerpen (BE).

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(54) Title: GAS EXPANSION DEVICE AND METHOD FOR EXPANDING GAS

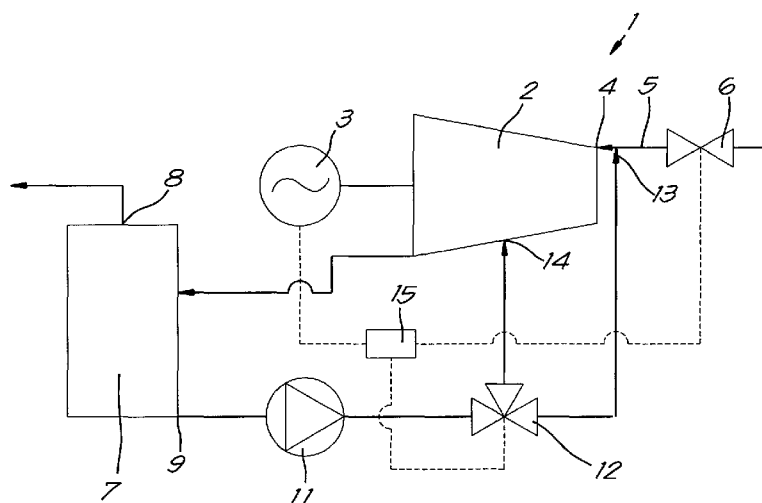


Fig. 1

(57) Abstract: Gas expansion device (1) for expanding a gas or a gas-liquid mixture, whereby the gas expansion device (1) comprises a gas expansion element (2) with an inlet port (4) for the gas to be expanded and an inlet pipe (5) for the gas to be expanded, whereby the inlet pipe (5) is connected to the inlet port (4), whereby the gas expansion device (1) comprises a first liquid injection point (13) for the injection of liquid, whereby the first liquid injection point (13) is at a position level with the inlet port (4) or upstream from the inlet port (4).



INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

INV. F01C1/00 F01K27/00 F04F13/00
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)

F01C F01K F04F

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 practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	CN 204 060 830 U (UNIV XI AN JIAOTONG) 31 December 2014 (2014-12-31)	1-3,5-9, 11-15
A	the whole document	4,10
A	US 3 423 017 A (SCHIBBYE LAURITZ BENEDICTUS) 21 January 1969 (1969-01-21) column 9, line 58 - column 10, line 5 figure 2	1



Further documents are listed in the continuation of Box C.



See patent family annex.

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European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

Lange, Christian

INTERNATIONAL SEARCH REPORT

Information on patent family members

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