

Title (en)
PRODUCTION OF LIQUEFIED NATURAL GAS IN A GAS ACCUMULATOR

Title (de)
ERZEUGUNG VON FLÜSSIGGAS IN EINEM GASSPEICHER

Title (fr)
GÉNÉRATION DE GAZ LIQUÉFIÉ DANS UN ACCUMULATEUR DE GAZ

Publication
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Application
EP 19701598 A 20190118

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Abstract (en)
[origin: WO2019145230A1] The invention relates particularly to a method carried out by at least one device, said method comprising: reducing a pressure of natural gas stored in a gas accumulator, the natural gas having a predetermined constant pressure after the reduction; purification of natural gas stored in a gas accumulator; and production of liquefied natural gas based on the purified natural gas, the production of the liquefied natural gas being carried out as part of the output of natural gas stored in the gas accumulator to a gas grid connected to the gas accumulator. The invention further relates to a device and to a system.

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Citation (examination)
• US 2006075777 A1 20060413 - HOWARD HENRY E [US], et al
• WENZEL L A: "LNG PEAKSHAVING PLANTS-A COMPARISON OF CYCLES", A COLLECTION OF INVITED PAPERS AND CONTRIBUTED PAPERS PRESENTED AT NATIONAL TECHNICAL MEETINGS DURING 1973 AND 1974; 1973 CRYOGENIC ENGINEERING CONFERENCE, GEORGIA INSTITUTE OF TECHNOLOGY, ATLANTA, GEORGIA, AUGUST 8 - 10, 1973; ISBN 0-306-38020-4; IN, vol. 20, 1 January 1975 (1975-01-01), pages 90 - 102, XP001277374, ISBN: 978-0-306-38020-4
• MILLER R T: "Liquid natural gas storage", JOURNAL OF METALS., vol. 23, no. 10, 1 October 1971 (1971-10-01), pages 34 - 37, XP001277424

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