

Process and Apparatus for Producing a Mixture of  
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GERMAN, patent no. 930,749. 951,751.

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May 61

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Dry Shaver With Shear Blade, by Johanna Mack, Mario  
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Sci - Engineering  
May 60

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Dry Shaver With Shear Blade, by Johanna Mack, Marko  
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Method of Transporting Natural Gas From Remote  
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Otto H. Muck, 5 pp.

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Method of Transporting Natural Gas From Remote  
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Method of Transporting Natural Gas From Remote  
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Order from LC or SLA mi\$1.80, ph\$1.80 61-15990

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cl. 65 a<sup>1</sup>, internat. class. B 63b, by Johanna Muck,  
nee Roth and Mario Muck, appl. 27 Feb 56, appl.  
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tion to addition Patentanmeldung M-25833 I a/17 g,  
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(Engineering--Ship Building, TT, v. 5, no. 9)

61-15990

1. Natural gas (Liquid)--  
Containers
  2. Tankers--Design
- I. Muck, O. H.
  - II. Patent (Germany) 1 059 310
  - III. Patent (Germany) 1 053 011,  
add.
  - IV. Patent Office,  
Washington, D. C.

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61-15686

Muck, Otto H.  
PROCESS AND APPARATUS FOR PRODUCING A  
MIXTURE OF LIQUID HYDROCARBONS CONTAIN-  
ING A PARTICULARLY LIQUID METHANE FROM  
NATURAL GAS, tr. by J. B. 27 Jan 61, 6p. 3 refs.  
Order from LC or SLA ml\$1.80, ph\$1.80 61-15686

Trans. of German patent 951,751 (addition to patent  
930,749) cl. 23b, gr. 1/a2, Internat. cl. C 10g, pat.  
from 29 June 52 (term of original patent began  
26 July 50) appl. announced 3 May 56, granted  
11 Oct 56, pub. 31 Oct 56.

The precooling is undertaken through useful work  
performing adiabatic reduction and with such precool-  
ing throughput that the useful power obtained is ade-  
quate for the recompression of the completely re-  
duced gas portion to the long-distance gas pipeline  
pressure. (See also 61-15685)

(Materials--Fuels, TT, v. 5, no. 9)

1. Natural gas--Processing
2. Title: Liquid methane
- I. Muck, O. H.
- II. Patent (Germany) 951 751
- III. Patent (Germany) 930 749,  
add.
- IV. Patent Office,  
Washington, D. C.

Office of Technical Services

61-15685

Muck, Otto H.  
PROCESS AND APPARATUS FOR PRODUCING A  
MIXTURE OF LIQUID HYDROCARBONS CONTAIN-  
ING A PARTICULARLY LIQUID METHANE FROM  
NATURAL GAS, tr. by J. B. 25 Jan 61, 3p. 3 refs.  
Order from LC or SLA ml\$1.80, pb\$1.80 61-15685

Trans. of German patent 930,749, cl. 12 o, gr. 1 04,  
pat. from 26 July 50, appl. announced 17 Jan 52, grant  
announced 30 June 55, pub. 25 July 55 (priority  
claimed based on appl. filed in Switzerland 1 Oct 49).

The outflowing natural gas with its natural probe  
pressure of about 150 to 170 atmospheres is pre-  
cooled and then reduced to utilization pressure,  
usually to the long-distance pipeline pressure of about  
40 to 50 atmospheres. A part is liquefied without out-  
side energy. The residual gas is in part completely  
reduced in pressure. (See also 61-15686)

(Materials--Fuels, TT, v. 5, no. 9)

1. Natural gas--Processing
2. Title: Liquid methane
1. Muck, O. H.
- II. Patent (Germany) 930 749
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*W. Muehlberg*

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*H. Muehlporte*  
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(Physics--Spectroscopy, TT, v. 8, no. 12)

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DESCRIPTORS: \*Benzopyrenes, \*Spectrographic  
analysis, Luminescence, Titration, Dosage.

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