

Title (en)  
METHOD AND SYSTEM FOR THE SMALL-SCALE PRODUCTION OF LIQUIFIED NATURAL GAS (LNG) AND COLD COMPRESSED GAS (CCNG) FROM LOW-PRESSURE NATURAL GAS

Title (de)  
VERFAHREN UND SYSTEM ZUR KLEINSERIENPRODUKTION VON FLÜSSIGERDAS (LNG) UND KALT KOMPRIMIERTEM GAS (CN) AUS NIEDRIGDRUCK-ERDAS

Title (fr)  
PROCEDE ET SYSTEME DE PRODUCTION A PETITE ECHELLE DE GAZ NATUREL LIQUEFIE (GNL) ET DE GAZ COMPRIME FROID A PARTIR DE GAZ NATUREL A BASSE PRESSION

Publication  
**EP 3032205 A2 20160615 (EN)**

Application  
**EP 15193552 A 20120821**

Priority  
• US 201113216803 A 20110824  
• EP 12181224 A 20120821

Abstract (en)  
A system for the production of LNG from low-pressure feed gas sources, at small production scales and at lower energy input costs. A system for the small-scale production of cold compressed natural gas (CCNG). A method of dispensing natural gas from stored CCNG, comprising: dispensing CCNG from a CCNG storage tank; pumping the CCNG by a cryogenic liquid pump to a pressure suitable for compressed natural gas dispensing and storage in on-vehicle compressed natural gas storage tanks; recovering cold from the CCNG by heat exchange with natural gas feeding the natural gas production plant to replace dispensed product. A system for the storage, transport, and dispensing of natural gas, comprising: means for handling natural gas in a CCNG state where the natural gas is a non-liquid, but is dense-enough to allow for pumping to pressure by a cryogenic liquid pump.

IPC 8 full level  
**F25J 1/02** (2006.01); **F25J 1/00** (2006.01); **F17C 1/00** (2006.01)

CPC (source: EP)  
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Citation (applicant)  
US 7464557 B2 20081216 - VANDOR DAVID [US], et al

Cited by  
RU2731263C1; RU2641410C1; US11471823B2; US11964231B2

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Designated extension state (EPC)  
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**EP 2562501 A2 20130227**; **EP 2562501 A3 20150506**; AU 2012216336 A1 20130314; AU 2012216336 B2 20150129; CA 2787375 A1 20130224; CA 2787375 C 20151027; EP 3032205 A2 20160615; EP 3032205 A3 20161221

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**EP 12181224 A 20120821**; AU 2012216336 A 20120821; CA 2787375 A 20120822; EP 15193552 A 20120821