

Title (en)

PARALLEL FLOW CRYOGENIC LIQUEFIED GAS EXPANDERS

Title (de)

KRYOGENE PARALLELFLUSS-FLÜSSIGGASEXPANDER

Title (fr)

DÉTENDEURS DE GAZ LIQUÉFIÉ CRYOGÉNIQUE À FLUX PARALLÈLE

Publication

EP 2250454 A4 20151021 (EN)

Application

EP 09731319 A 20090121

Priority

- US 2009031556 W 20090121
- US 1191408 P 20080121

Abstract (en)

[origin: US2009183505A1] One or more cryogenic liquefied gas expanders are configured within one or more containment vessels with parallel flow through the expanders, where cryogenic fluid enters through a common inlet and is split between a first expander and a second expander, while expanded cryogenic fluid is generated by both expanders and exits through a common outlet. Parallel flow between the liquefied gas expanders is further facilitated by a rotary control valve positioned either between vessels or between chambers within a vessel and between the two liquefied gas expanders.

IPC 8 full level

F25J 3/00 (2006.01)

CPC (source: EP US)

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Citation (search report)

- [A] US 4298318 A 19811103 - TSUCHIYA SHUNJI, et al
- [A] "COMPRESSOR DESIGN YIELDS SAVINGS FOR KANSAS GAS PLANT", OIL AND GAS JOURNAL, PENNELL, HOUSTON, TX, US, 24 October 1994 (1994-10-24), pages 95, XP000770719, ISSN: 0030-1388
- [AP] JOEL V MADISON ET AL: "Solving New Demands in LNG Technology Using Field-Proven LNG Expanders and Pumps", TH TOPICAL CONFERENCE ON NATURAL GAS UTILIZATION TAMPA, 26 March 2009 (2009-03-26), XP055190341, Retrieved from the Internet <URL:http://www.ebaraintl.com/wp-content/uploads/2011/10/2009-Solving-New-Demands-in-LNG-Technology.pdf> [retrieved on 20150520]
- See references of WO 2009126353A2

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DOCDB simple family (application)

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