

Title (en)
GAS OFFLOADING SYSTEM

Title (de)
GASENTLADESYSTEM

Title (fr)
SYSTEME DE DECHARGEMENT DE GAZ

Publication
EP 1663786 A4 20150225 (EN)

Application
EP 04784045 A 20040915

Priority

- US 2004030052 W 20040915
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Abstract (en)
[origin: WO2005032942A1] A system (10) is described for offloading LNG (liquified natural gas) from a tanker (13) for eventual delivery to an onshore gas distribution station (42). The system includes a floating structure (12) that floats at the sea surface and that is connected to the tanker so they weathervane together. The floating structure carries a regas unit (22) that heats the LNG to produce gas, and delivers the gas through a riser (32) to an underground cavern (30) that stores the gas. Gas from the cavern is delivered through a seafloor pipeline (40) to an onshore gas distribution station. The regas unit includes water pumps and other equipment that is powered by electricity. The electricity can be obtained from an electric generator (200) on the floating structure, with surplus electricity delivered through a seafloor electric power line (194) that extends at least partially along the seafloor to an onshore electricity distribution facility (192). The electricity can instead be obtained by delivery from an onshore facility through a seafloor electric power line that extends up to the floating structure and to the regas unit.

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Citation (search report)

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- See references of WO 2005032942A1

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WO 2005032942 A1 20050414; BR PI0414561 A 20061107; BR PI0414561 A8 20170627; BR PI0414561 B1 20210126; CA 2537496 A1 20050414; CA 2537496 C 20090120; CN 1852832 A 20061025; CN 1852832 B 20100512; EP 1663786 A1 20060607; EP 1663786 A4 20150225; MX PA06003074 A 20060620

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