

Title (en)
HYDRAULIC TURBINE BETWEEN MIDDLE AND COLD BUNDLES OF NATURAL GAS LIQUEFACTION HEAT EXCHANGER

Title (de)
HYDRAULISCHE TURBINE ZWISCHEN MITTEL- UND KALTBÜNDELN EINES ERDGASVERFLÜSSIGUNGSWÄRMETAUSCHERS

Title (fr)
TURBINE HYDRAULIQUE ENTRE DES FAISCEAUX INTERMÉDIAIRES ET FROIDS D'UN ÉCHANGEUR DE CHALEUR DE LIQUÉFACTION DE GAZ NATUREL

Publication
EP 3610210 A1 20200219 (EN)

Application
EP 18710227 A 20180223

Priority
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• US 2018019462 W 20180223

Abstract (en)
[origin: US2018283773A1] A system and method for liquefying a natural gas stream, including a liquefaction heat exchanger having at least three cooling bundles and arranged such that the natural gas stream passes sequentially therethrough. A first cooling bundle condenses heavy hydrocarbon components in the natural gas stream. A second cooling bundle liquefies the natural gas stream. A third cooling bundle sub-cools the LNG stream. A hydraulic turbine has an inlet operationally connected to an outlet of the second cooling bundle, and an outlet operationally connected to an inlet of the third cooling bundle. The hydraulic turbine cools the LNG stream and reduces the pressure of the LNG stream to form a reduced-pressure LNG stream.

IPC 8 full level
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Designated contracting state (EPC)
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