

Title (en)

SYSTEM AND METHOD FOR PRECOOLING IN HYDROGEN OR HELIUM LIQUEFACTION PROCESSING

Title (de)

SYSTEM UND VERFAHREN ZUR VORKÜHLUNG BEI DER WASSERSTOFF- ODER HELIUMVERFLÜSSIGUNGSVERARBEITUNG

Title (fr)

SYSTÈME ET PROCÉDÉ DE PRÉREFROIDISSEMENT DANS UN TRAITEMENT DE LIQUÉFACTION D'HYDROGÈNE OU D'HÉLIUM

Publication

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Application

EP 22714052 A 20220310

Priority

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- US 2022019734 W 20220310

Abstract (en)

[origin: US2022290919A1] Described herein are systems and processes for precooling hydrogen or helium gas streams for liquefaction using liquid nitrogen having reduced energy consumption and amount of liquid nitrogen usage. The systems include a stream of pressurized liquid nitrogen, at least one turboexpander, and at least one heat exchanger.

IPC 8 full level

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CPC (source: EP KR US)

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