

Title (en)
Boil-off gas re-condenser

Title (de)
Boil-off-Gas-Rückkondensator

Title (fr)
Re-condensateur de gaz vaporisé

Publication
EP 2372221 B1 20150408 (EN)

Application
EP 10380045 A 20100326

Priority
EP 10380045 A 20100326

Abstract (en)
[origin: EP2372221A1] Boil-Off Gas re-condenser comprising a vessel (15) comprises two separated zones with no interference between them:
- a re-condensing packing contact zone (11), located in a top section of the vessel (15), which houses a packing bed (7), in which Boil Off Gas, coming from a Boil Off Gas compressors discharge (14), is in contact with Liquefied Natural Gas (22), taken from the discharge of LP pumps (32), for re-condensation. - a lower accumulation zone (12), located in a lower section of the vessel (15), which serves as a liquid hold-up drum for the HP Liquefied Natural Gas pumps, in which it is introduced the surplus of Liquefied Natural Gas (23) up to half maximum send-out via a level control valve (3), so that the surplus of Liquefied Natural Gas (24) from half maximum send-out, bypasses the re-condenser via a flow control bypass (24):

IPC 8 full level
F17C 13/00 (2006.01)

CPC (source: EP)
F17C 13/004 (2013.01); **F17C 2221/014** (2013.01); **F17C 2221/033** (2013.01); **F17C 2223/0161** (2013.01); **F17C 2223/033** (2013.01); **F17C 2223/043** (2013.01); **F17C 2223/046** (2013.01); **F17C 2225/0161** (2013.01); **F17C 2225/033** (2013.01); **F17C 2225/046** (2013.01); **F17C 2227/0135** (2013.01); **F17C 2227/0339** (2013.01); **F17C 2227/0388** (2013.01); **F17C 2250/032** (2013.01); **F17C 2250/0408** (2013.01); **F17C 2250/043** (2013.01); **F17C 2250/0443** (2013.01); **F17C 2250/0456** (2013.01); **F17C 2250/061** (2013.01); **F17C 2250/0626** (2013.01); **F17C 2260/035** (2013.01); **F17C 2265/022** (2013.01); **F17C 2265/025** (2013.01); **F17C 2265/034** (2013.01); **F17C 2270/0136** (2013.01)

Cited by
FR3135774A1; EP3434959A1; CN110945277A; KR20200037226A; JP2021507178A; WO2023222926A1; US9927068B2; US10704736B2; WO2019020742A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2372221 A1 20111005; EP 2372221 B1 20150408; CY 1116461 T1 20170315; DK 2372221 T3 20150713; ES 2541953 T3 20150728; HR P20150698 T1 20150828; PL 2372221 T3 20160129; PT 2372221 E 20150826

DOCDB simple family (application)
EP 10380045 A 20100326; CY 151100584 T 20150706; DK 10380045 T 20100326; ES 10380045 T 20100326; HR P20150698 T 20150630; PL 10380045 T 20100326; PT 10380045 T 20100326