

Title (en)  
LIQUID SUPPLY SYSTEM

Title (de)  
FLÜSSIGKEITZUFÜHRSYSTEM

Title (fr)  
SYSTÈME D'ALIMENTATION EN LIQUIDE

Publication  
**EP 3578814 A1 20191211 (EN)**

Application  
**EP 18748289 A 20180202**

Priority  
• JP 2017019038 A 20170203  
• JP 2018003635 W 20180202

Abstract (en)  
There is provided a liquid supply system that can supply liquid efficiently with reduced time needed for precooling. The liquid supply system includes a first fluid channel through which cryogenic liquid flows from an inlet 130b to an outlet 130c via a first pump chamber P1 and a second fluid channel through which cryogenic liquid flows from the inlet 130b to the outlet 130c via a second pump chamber P2. The height of the location at which the direction of the first fluid channel changes from the vertically upward direction to the vertically downward direction and the location at which the direction of the second fluid channel changes from the vertically upward direction to the vertically downward direction are the same.

IPC 8 full level  
**F04B 15/08** (2006.01); **F04B 43/08** (2006.01); **F25B 9/00** (2006.01)

CPC (source: EP KR US)  
**F04B 15/08** (2013.01 - EP KR US); **F04B 43/08** (2013.01 - EP KR US); **F25B 9/00** (2013.01 - EP KR); **F04B 2015/082** (2013.01 - KR US); **F04B 2015/0824** (2013.01 - KR US); **F05B 2210/11** (2013.01 - KR); **F17C 2227/0135** (2013.01 - US); **F25B 9/00** (2013.01 - US)

Citation (search report)  
See references of WO 2018143421A1

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3578814 A1 20191211**; CN 110192031 A 20190830; JP WO2018143421 A1 20191121; KR 20190098220 A 20190821; RU 2019123280 A 20210303; RU 2019123280 A3 20210303; US 2020003195 A1 20200102; WO 2018143421 A1 20180809

DOCDB simple family (application)  
**EP 18748289 A 20180202**; CN 201880007275 A 20180202; JP 2018003635 W 20180202; JP 2018566134 A 20180202; KR 20197021422 A 20180202; RU 2019123280 A 20180202; US 201816482373 A 20180202