

Title (en)
LIQUID SUPPLY SYSTEM

Title (de)
FLÜSSIGKEITZUFÜHRSYSTEM

Title (fr)
SYSTÈME D'ALIMENTATION EN LIQUIDE

Publication
EP 3578820 A1 20191211 (EN)

Application
EP 18748795 A 20180202

Priority
• JP 2017019040 A 20170203
• JP 2018003632 W 20180202

Abstract (en)
There is provided a liquid supply system that can be cooled efficiently. The liquid supply system 10 includes a container 130 having an inlet 131b and an outlet 131c for liquid and provided with a pump chamber P1, P2 inside it, an outlet pipe 320 through which liquid discharged from the outlet 131c is brought to outside, a fluid channel through which liquid flows, the fluid channel leading out of the inlet 131b, passing through the pump chamber P1, P2, and extending vertically downward from the pump chamber P1, P2 to the outlet 131c, and a gas vent pipe 602 connecting a first orifice 601 and a second orifice 604, the first orifice 601 being disposed in the fluid channel and the second orifice 604 being disposed in the fluid channel downstream of the first orifice 601. The second orifice 604 is located at vertically higher level than the first orifice 601.

IPC 8 full level
F04B 43/08 (2006.01); **F04B 15/08** (2006.01); **F04B 53/06** (2006.01); **F25B 9/00** (2006.01)

CPC (source: EP KR US)
F04B 15/06 (2013.01 - EP); **F04B 15/08** (2013.01 - EP KR); **F04B 43/08** (2013.01 - EP KR); **F04B 45/022** (2013.01 - US);
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F04B 2015/0824 (2013.01 - KR); **F05B 2210/11** (2013.01 - KR); **F25B 9/00** (2013.01 - EP)

Citation (search report)
See references of WO 2018143420A1

Cited by
WO2023285219A1

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 3578820 A1 20191211; CN 110177944 A 20190827; JP WO2018143420 A1 20191121; KR 20190098228 A 20190821;
RU 2019122417 A 20210303; RU 2019122417 A3 20210303; US 2020032785 A1 20200130; WO 2018143420 A1 20180809

DOCDB simple family (application)
EP 18748795 A 20180202; CN 201880006946 A 20180202; JP 2018003632 W 20180202; JP 2018566133 A 20180202;
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