

Title (en)

PROPELLANT SUPPLY CIRCUIT AND COOLING METHOD

Title (de)

TREIBMITTELZUFUHRSCHALTUNG UND KÜHLVERFAHREN

Title (fr)

CIRCUIT D'ALIMENTATION EN ERGOL ET PROCEDE DE REFROIDISSEMENT

Publication

**EP 2943674 A1 20151118 (FR)**

Application

**EP 14703132 A 20140110**

Priority

- FR 1350239 A 20130111
- FR 2014050045 W 20140110

Abstract (en)

[origin: WO2014108649A1] The invention relates to the aerospace field and, in particular, that of rocket-engine-propelled vehicles. In particular, the invention relates to a supply circuit (6) for supplying a rocket engine (2) with at least a first liquid propellant, said circuit comprising: at least a first buffer tank (20) for the first liquid propellant, and a first heat exchanger (18) which is built into the buffer tank (20) and can be connected to a cooling circuit (17) of at least one heat source in order to cool the heat source by transferring heat to the first propellant.

IPC 8 full level

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CPC (source: EP RU US)

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Citation (search report)

See references of WO 2014108649A1

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**WO 2014108649 A1 20140717**; EP 2943674 A1 20151118; EP 2943675 A1 20151118; EP 2943675 B1 20200513; FR 3000995 A1 20140718; FR 3000995 B1 20150724; FR 3000997 A1 20140718; FR 3000997 B1 20150605; FR 3000998 A1 20140718; JP 2016505764 A 20160225; JP 2016505765 A 20160225; JP 6352305 B2 20180704; JP 6352306 B2 20180704; RU 2015133524 A 20170217; RU 2015133553 A 20170214; RU 2642711 C2 20180125; RU 2647353 C2 20180315; US 10082106 B2 20180925; US 2015337763 A1 20151126; US 2015354505 A1 20151210; WO 2014108650 A1 20140717; WO 2014108651 A2 20140717; WO 2014108651 A3 20141113

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