

Title (en)
VEHICLE-MOUNTED TRANSFORMER

Title (de)
FAHRZEUGMONTIERTER TRANSFORMATOR

Title (fr)
TRANSFORMATEUR MONTÉ SUR VÉHICULE

Publication
EP 4092370 A4 20230208 (EN)

Application
EP 20914198 A 20200114

Priority
JP 2020000854 W 20200114

Abstract (en)
[origin: EP4092370A1] An object of the present disclosure is to provide an on-vehicle transformer including a cooler in which the interior of air flow portions can be efficiently cleaned. In an on-vehicle transformer (100), a cooler (140) includes a heat exchange unit (141), an air intake unit (142) and an air intake filter (143). The air intake unit (142) is integrally connected to the heat exchange unit (141). The heat exchange unit (141) has a plurality of oil flow portions (141A) and a plurality of air flow portions (141B). The air intake unit (142) has an air intake fan (142A). The air intake fan (142A) suctions outdoor air into the air intake unit (142) through the air flow portions (141B). A sliding mechanism (170) is provided between each of the plurality of oil flow portions (141A) and a corresponding one of the plurality of air flow portions (141B) adjacent to each of the plurality of oil flow portions (141A). The sliding mechanism (170) is configured to allow each of the plurality of air flow portions (141B) to slide in a direction along an air flow direction of the outdoor air in the plurality of air flow portions (141B).

IPC 8 full level
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Citation (search report)

- [YA] WO 2019220587 A1 20191121 - MITSUBISHI ELECTRIC CORP [JP]
- [Y] JP S59164890 A 19840918 - ISEKI AGRICULT MACH
- See also references of WO 2021144837A1

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Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
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