

Title (en)

TRACTION TRANSFORMER FOR INSTALLATION ON A VEHICLE

Title (de)

TRAKTIONSTRANSFORMATOR ZUR INSTALLATION AUF EINEM FAHRZEUG

Title (fr)

TRANSFORMATEUR DE TRACTION POUR INSTALLATION SUR UN VÉHICULE

Publication

**EP 3367398 B1 20210120 (EN)**

Application

**EP 16857191 A 20160902**

Priority

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- JP 2016075884 W 20160902

Abstract (en)

[origin: EP3367398A1] Provided is a traction transformer, which prevents a position to which traveling wind is taken in from overlapping with a stagnation region located in rear of peripheral devices in a traveling direction of a vehicle, and which is effectively cooled by the traveling wind. A traction transformer (10a) according to the present invention includes: a transformer main body (12), which has a winding (9), and is connected to a pipe (11) through which a refrigerant oil circulates; an oil pump (13), which is configured to circulate the refrigerant oil through the pipe (11); a cooler (14a), which is connected to the pipe (11), and is configured to cool the refrigerant oil; and a first duct, which is provided in rear of the transformer main body (12) and the cooler (14a) in the traveling direction of a vehicle, and includes: a first inlet port (30), which is configured to take in traveling wind caused by traveling of the vehicle; a first air blowing port (31), which is configured to blow the traveling wind to the cooler as cooling air; and a first connection portion (35a, 35b), which is configured to connect the first inlet port (30) and the first air blowing port (31) to each other, and is configured to guide the traveling wind so that an air-blowing direction is opposite to the traveling direction of the vehicle, and to cause the guided traveling wind to be discharged as the cooling air through the first air blowing port.

IPC 8 full level

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