Title (en)

BASE OIL FOR COOLING OF DEVICE, DEVICE-COOLING OIL CONTAINING THE BASE OIL, DEVICE TO BE COOLED BY THE COOLING OIL, AND DEVICE COOLING METHOD USING THE COOLING OIL

Title (de)

BASISÖL ZUR KÜHLUNG EINES GERÄTS, GERÄTEKÜHLENDES ÖL MIT DEM BASISÖL, MIT DEM KÜHLÖL ZU KÜHLENDES GERÄT UND GERÄTEKÜHLVERFAHREN MIT DEM KÜHLÖL

Title (fr)

HUILE DE BASE DESTINÉE À REFROIDIR UN DISPOSITIF, HUILE DE REFROIDISSEMENT D'UN DISPOSITIF CONTENANT L'HUILE DE BASE, DISPOSITIF À REFROIDIR PAR L'HUILE DE REFROIDISSEMENT, ET PROCÉDÉ DE REFROIDISSEMENT D'UN DISPOSITIF UTILISANT L'HUILE DE REFROIDISSEMENT

Publication

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Application

EP 10840849 A 20101206

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- JP 2010180475 A 20100811
- JP 2010180474 A 20100811
- JP 2010149689 A 20100630
- JP 2010003132 A 20100108
- JP 2010002499 A 20100108
- JP 2010001131 A 20100106
- JP 2009297782 A 20091228
- JP 2009297781 A 20091228
- JP 2010071817 W 20101206

Abstract (en)

A device-cooling base oil includes 30 mass% of at least one of an oleyl ester (e.g., oleate and oleyl alcohol ester) and oleyl ether. The oleyl ester and the oleyl ether each have 23 or more of a total number of a terminal methyl group, a methylene group and an ether group in a main chain and 1 or less of a total number of a methyl branch and an ethyl branch. The base oil has a kinematic viscosity at 40 degrees C in a range of 4 mm 2 /s to 30 mm 2 /s. A device-cooling oil provided by blending the base oil is excellent in electrical insulation properties and thermal conductivity, and thus is favorably usable for cooling a motor, a battery, an inverter, an engine, an electric cell or the like in an electric vehicle, a hybrid vehicle or the like.

IPC 8 full level

C10M 105/36 (2006.01); **C10M 105/18** (2006.01); C10N 20/00 (2006.01); C10N 20/02 (2006.01); C10N 30/00 (2006.01); C10N 40/14 (2006.01)

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