

Title (en)
COOLING DEVICE FOR A TRANSFORMER

Title (de)
KÜHLVORRICHTUNG FÜR EINEN TRANSFORMATOR

Title (fr)
DISPOSITIF DE REFROIDISSEMENT POUR TRANSFORMATEUR

Publication
EP 4010911 A4 20230419 (EN)

Application
EP 19940317 A 20190807

Priority
CN 2019099578 W 20190807

Abstract (en)
[origin: WO2021022507A1] A cooling device (10) for a transformer (100) includes a row of three coil devices (2,4,6). The cooling device (10) comprises a first air fan (16) and a first ventilation unit (18). The first air fan (16) is arranged at a first side of a first coil device (4) of the three coil devices (2,4,6). The first ventilation unit (18) includes a first wing branch (13) coupling to the first air fan (16) and adapted to communicate air from the first air fan (16). The first wing branch (13) is adapted to extend into the bottom or the top of a first gap between the first coil device (4) and a second coil device (2), and comprises a first set of openings (15,17) adapted to communicate the air in the vertical direction. By utilizing embodiments of the disclosure, a better cooling effect can be achieved in a dry-type transformer (100).

IPC 8 full level
H01F 27/08 (2006.01)

CPC (source: EP)
H01F 27/085 (2013.01)

Citation (search report)

- [XDAI] CN 107424764 A 20171201 - WUHU KAIXIN LIGHTNING ARRESTER CO LTD
- [XAI] CN 108666076 A 20181016 - NANTONG SHENGYANG ELECTRIC CO LTD
- [AD] CN 205194466 U 20160427 - HEBEI DATANG INT WANGTAN POWER GENERATION CO LTD
- See references of WO 2021022507A1

Designated contracting state (EPC)
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WO 2021022507 A1 20210211; CN 114190107 A 20220315; CN 114190107 B 20230602; EP 4010911 A1 20220615; EP 4010911 A4 20230419

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