

Title (en)  
DEVICE FOR COOLING ELECTRICAL COILED ITEMS

Title (de)  
VORRICHTUNG ZUR KÜHLUNG ELEKTRISCHER WICKELGÜTER

Title (fr)  
DISPOSITIF DE REFROIDISSEMENT DE PRODUITS ÉLECTRIQUES À ENROULER

Publication  
**EP 4224494 A1 20230809 (DE)**

Application  
**EP 22155049 A 20220203**

Priority  
EP 22155049 A 20220203

Abstract (en)  
[origin: WO2023148179A1] The invention relates to a device for cooling an electrical winding material, comprising a heat pipe for heat conduction between the winding material and a heat sink, characterized in that a thermally conductive flat element adapted to the shape of the winding material is inserted between the heat pipe and the winding material.

Abstract (de)  
Die Erfindung betrifft eine Vorrichtung zur Kühlung eines elektrischen Wickelgutes mit einem Wärmerohr zur Wärmeleitung zwischen dem Wickelgut und einem Kühlkörper, dadurch gekennzeichnet, dass zwischen das Wärmerohr und das Wickelgut ein an die Form des Wickelgutes angepasstes thermisch leitfähiges Flächenelement eingefügt ist.

IPC 8 full level  
**H01F 27/18** (2006.01); **H01F 27/20** (2006.01); **H01F 27/22** (2006.01); **H01F 27/28** (2006.01); **H01F 27/36** (2006.01)

CPC (source: EP)  
**H01F 27/18** (2013.01); **H01F 27/20** (2013.01); **H01F 27/22** (2013.01); **H01F 27/2876** (2013.01); **H01F 27/2885** (2013.01); **H01F 27/363** (2020.08)

Citation (search report)

- [X1] JP S56162810 A 19811215 - MATSUSHITA ELECTRIC IND CO LTD
- [X1] JP S61187311 A 19860821 - TOSHIBA CORP
- [X1] JP S58170010 A 19831006 - TOKYO SHIBAURA ELECTRIC CO
- [X1] DE 4114576 A1 19911024 - FIEDLER NORBERT [DE]
- [X1] JP S58173809 A 19831012 - SHINKO ELECTRIC CO LTD
- [X1] WO 2011039417 A1 20110407 - TRAFOTEK OY [FI], et al
- [X1] EP 2079087 A1 20090715 - SIEMENS AG [DE]

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**EP 4224494 A1 20230809**; WO 2023148179 A1 20230810

DOCDB simple family (application)  
**EP 22155049 A 20220203**; EP 2023052360 W 20230131