

Title (en)
GENERATOR HAVING SUPERCONDUCTING COIL WINDINGS

Title (de)
GENERATOR MIT SUPRALEITENDEN SPULENWICKLUNGEN

Title (fr)
GÉNÉRATEUR À BOBINAGES SUPRACONDUCTEURS

Publication
EP 3799673 A1 20210407 (EN)

Application
EP 19761735 A 20190807

Priority
• EP 18188033 A 20180808
• EP 2019071235 W 20190807

Abstract (en)
[origin: EP3609060A1] It is described a generator (11) comprising a stator (20) having at least one slot (12), in which superconducting windings (13) forming a stator coil are accommodated; a rotor (30) being rotatable arranged inside or outside the stator (20); and a heat sink (16) being thermally linked to the superconducting windings (13). The heat sink (16) is configured to carry a first coolant to cool the superconducting windings (13). The heat sink (16) and the superconducting windings (13) are arranged inside a thermal shield (14) having a thermal insulating property.

IPC 8 full level
H02K 1/20 (2006.01); **H02K 3/24** (2006.01); **H02K 55/02** (2006.01)

CPC (source: EP)
H02K 1/20 (2013.01); **H02K 3/24** (2013.01); **H02K 55/02** (2013.01); **Y02E 10/72** (2013.01); **Y02E 40/60** (2013.01)

Citation (search report)
See references of WO 2020030702A1

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