

Title (en)
Transformer platform with cooling assembly

Title (de)
Umspannplattform mit Kühlanlage

Title (fr)
Plateforme de transformation avec installation de refroidissement

Publication
EP 2733266 A1 20140521 (DE)

Application
EP 12192541 A 20121114

Priority
EP 12192541 A 20121114

Abstract (en)
The platform (1) has hollow structural elements (2, 23, 24), and a cooling system (3) for cooling a platform component (11) e.g. transformer. The cooling system has a cooling circuit (3.2) in which a cooling medium (39) i.e. fresh water, is guided. A section of the cooling circuit is formed by the structural elements for guiding the cooling medium. An intermediate cooling circuit (3.1) is thermally arranged between the cooling circuit and the platform component and thermally coupled to the cooling circuit over a heat exchanger (31), where the structural elements are designed as steel pipes. The intermediate cooling circuit is designed as a primary cooling circuit, and the cooling circuit is designed as a secondary cooling circuit.

Abstract (de)
Die Erfindung betrifft eine Umspannplattform (1) mit wenigstens einem Hohlstrukturelement (2, 23, 24, 25, 27.1, 27.2, 2.1, 2.2) und mit einer Kühlanlage (3) zur Kühlung wenigstens einer Plattformkomponente (11) der Umspannplattform (1). Dabei umfasst die Kühlanlage (3) einen Kühlkreislauf (3.2), in dem ein Kühlmittel (39) geführt wird, und wenigstens ein Abschnitt des Kühlkreislaufs (3.2) wird von einem Hohlstrukturelement (2, 23, 24, 25, 27.1, 27.2, 2.1, 2.2) gebildet, durch welches das Kühlmittel (39) geführt wird.

IPC 8 full level
E02D 27/42 (2006.01)

CPC (source: EP)
E02D 27/42 (2013.01)

Citation (applicant)

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- DE 19913459 C1 20000803 - RENZMANN UND GRUENEWALD GMBH [DE]
- FR 2596144 A1 19870925 - JOUET ETIENNE [FR]
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Citation (search report)

- [X] WO 2006069974 A1 20060706 - SIEMENS AG [DE], et al
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- [AD] DE 19913459 C1 20000803 - RENZMANN UND GRUENEWALD GMBH [DE]

Cited by
GB2577044A; EP3715759A1

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

DOCDB simple family (publication)
EP 2733266 A1 20140521; EP 2733266 B1 20180228; DK 2733266 T3 20180430; NO 2733266 T3 20180728

DOCDB simple family (application)
EP 12192541 A 20121114; DK 12192541 T 20121114; NO 12192541 A 20121114