

Title (en)
REPLACEMENT TRANSFORMER HAVING A MODULAR STRUCTURE

Title (de)
ERSATZTRANSFORMATOR MIT MODULAREM AUFBAU

Title (fr)
TRANSFORMATEUR DE RECHANGE DE CONCEPTION MODULAIRE

Publication
EP 3427275 B1 20240403 (DE)

Application
EP 17720753 A 20170426

Priority
• DE 102016207393 A 20160429
• EP 2017059842 W 20170426

Abstract (en)
[origin: US2017316864A1] A configuration for the rapid replacement of a faulty multiphase transformer includes a plurality of single-phase transformers each of which has a housing filled with an insulating fluid and in which a core having a higher-voltage and a lower-voltage winding is disposed. At least one bushing socket is connected by a winding connection lead extending within the housing to the higher-voltage or lower-voltage winding. At least one high-voltage feed-through or bushing can be inserted into the bushing socket and a cooling module, which can be detachably connected to the housing and is filled with insulating fluid, cools the insulating fluid.

IPC 8 full level
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CPC (source: EP US)
H01F 27/002 (2013.01 - EP US); **H01F 27/025** (2013.01 - US); **H01F 27/04** (2013.01 - US); **H01F 27/10** (2013.01 - EP); **H01F 27/12** (2013.01 - EP US); **H01F 27/29** (2013.01 - US); **H01F 27/40** (2013.01 - US); **H01F 30/10** (2013.01 - US)

Citation (examination)
• GB 271168 A 19270520 - ALFRED WILLIAM GEORGE TUCKER, et al
• US 3235823 A 19660215 - RENBERG JR WILLIAM WALTER
• DE 102007022641 A1 20081120 - AREVA ENERGIE TECHNIK GMBH [DE]
• DE 1971624 U 19671102 - GATTERBAUER PAUL [DE]
• GB 271168 A 19270520 - ALFRED WILLIAM GEORGE TUCKER, et al

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

DOCDB simple family (publication)
US 10460866 B2 20191029; **US 2017316864 A1 20171102**; BR 112018071985 A2 20190212; BR 112018071985 B1 20230425; CA 3022259 A1 20171102; CA 3022259 C 20210720; CN 109155181 A 20190104; CN 109155181 B 20210507; DE 102016207393 A1 20171102; EP 3427275 A2 20190116; EP 3427275 B1 20240403; EP 3427275 C0 20240403; WO 2017186748 A2 20171102; WO 2017186748 A3 20171221

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US 201615159350 A 20160519; BR 112018071985 A 20170426; CA 3022259 A 20170426; CN 201780026485 A 20170426; DE 102016207393 A 20160429; EP 17720753 A 20170426; EP 2017059842 W 20170426