

Title (en)

SURGE ARRESTERS FOR POWER TRANSFORMER

Title (de)

ÜBERSPANNUNGSABLEITER FÜR EINEN LEISTUNGSTRANSFORMATOR

Title (fr)

DISPOSITIFS DE PROTECTION CONTRE LES SURTENSIONS POUR TRANSFORMATEUR DE PUISSANCE

Publication

EP 3282458 A1 20180214 (EN)

Application

EP 16183298 A 20160809

Priority

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Abstract (en)

The present disclosure relates to a surge arrester arrangement for a phase leg winding (2) of a transformer (1). The surge arrester arrangement comprises a plurality of series connected surge arresters (3) comprising at least a first surge arrester (3a) and a second surge arrester (3b) configured to be connected across the winding from a first end (2a) of the winding to a second end (2b) of the winding. The arrangement also comprises an intermediate connection (4b), between the first and second surge arresters and configured to connect to the winding such that the first surge arrester is connected across a first section of the winding formed between the first end and the intermediate connection and the second surge arrester is connected across a second section of the winding formed between the second end and the intermediate connection. The arrangement also comprises a plurality of bushings (6) configured to allow connections (4) to the series connected surge arresters to pass through a wall of a transformer tank (5) containing the phase leg winding.

IPC 8 full level

H01F 27/34 (2006.01)

CPC (source: EP)

H01F 27/343 (2013.01)

Citation (applicant)

- US 4604673 A 19860805 - SCHOENDUBE CHARLES W [US]
- EP 0078985 A1 19830518 - GEN ELECTRIC [US]
- E. LINDELL; L. LILJESTRAND: "Efficiency of surge arresters as protective devices against circuit breaker induced overvoltages", EFFECT OF DIFFERENT TYPES OF OVER VOLTAGE PRODUCTIVE DEVICES AGAINST VACUUM CIRCUIT BREAKER INDUCED TRANSIENTS IN CABLE SYSTEMS

Citation (search report)

- [YA] US 2016149396 A1 20160526 - LINDELL ELISABETH [SE], et al
- [YA] US 4975797 A 19901204 - VEVERKA EDWARD F [US], et al
- [YA] JP S61190910 A 19860825 - HITACHI LTD

Cited by

EP3933862A1; WO2022002513A3; WO2022002513A2; EP3747100B1

Designated contracting state (EPC)

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