

Title (en)

Onload tap-changing transformer.

Title (de)

Unter Last umschaltbarer Stufentransformator.

Title (fr)

Transformateur à changement de prises en charge.

Publication

EP 0114648 A2 19840801 (EN)

Application

EP 84100454 A 19840117

Priority

JP 808183 A 19830122

Abstract (en)

An onload tap-changing transformer comprises a high voltage winding (2) a low voltage winding (1) wound on an iron core (C) a coarse tap winding (3) wound on the iron core and connected in series with the high voltage winding, and a fine tap winding (4) wound on the iron core and selectively connectable to the high voltage winding or the low voltage winding by a switch (S). The conductors making up the coarse tap winding and the conductors making up the fine tap winding are wound together, in juxtaposed relation with each other, into at least one integrated disc winding assembly and taps are led out of predetermined points of the fine tap winding, thereby increasing the capacitance between the coarse tap winding and the fine tap winding so that the transfer voltage generated upon application of a lightning impulse and the potential difference between the windings are reduced, thus preventing any corona or dielectric breakdown.

IPC 1-7

H01F 29/02; **H01F 27/34**

IPC 8 full level

H01F 29/04 (2006.01); **H01F 27/34** (2006.01); **H01F 29/02** (2006.01)

CPC (source: EP)

H01F 27/343 (2013.01); **H01F 29/02** (2013.01)

Cited by

EP0150132A3; CN109473262A; CZ307097B6; KR101234143B1; CN113161132A; EP2801144B1

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DE SE

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EP 0114648 A2 19840801; **EP 0114648 A3 19840829**; **EP 0114648 B1 19870422**; DE 3463311 D1 19870527; IN 159670 B 19870530; JP H023285 B2 19900123; JP S59134808 A 19840802

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