

Title (en)
TRANSFORMER-RECTIFIER

Publication
EP 0149169 A3 19850828 (DE)

Application
EP 84115627 A 19841217

Priority
CH 16084 A 19840113

Abstract (en)
[origin: US4581573A] A better filtering effect for disturbing harmonic currents in a high-tension direct current transmission installation is described. A balancing winding is provided between a primary winding as an outer winding and a secondary winding in a 3-winding transformer with a transformer core. The distances between the balancing winding and the primary winding and the secondary winding, respectively, are selected such that the equivalent reactance of this balancing winding is equal to or less than zero. A second balancing winding can be provided as the inner winding in a series with the first balancing winding. In the case of a 4-winding transformer, two winding arrangements are provided with two parallel-connected primary windings as the outer windings, with a separate secondary winding for each and a balancing winding for each between the primary and secondary windings, the two balancing windings being connected in series.

IPC 1-7
H01F 27/38

IPC 8 full level
H01F 27/38 (2006.01)

CPC (source: EP US)
H01F 27/38 (2013.01 - EP US)

Citation (search report)
• [A] DE 3039530 A1 19810430 - SONY CORP [JP]
• [A] US 3585484 A 19710615 - DORTORT ISADORE K
• [A] IEEE TRANSACTIONS ON POWER APPARATUS AND SYSTEMS, Band PAS-89, Nr. 7, September/Oktobre 1970, Seiten 1603-1609; J.P. BOWLES: "AC system and transformer representation for HV-DC transmission studies"

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EP0216500A1; EP0763833A3; US6087822A; GB2363523A; EP0898358A3; EP2256915A4; AU2009226528B2; US8599584B2; WO0022634A1

Designated contracting state (EPC)
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DOCDB simple family (application)
EP 84115627 A 19841217; BR 8500059 A 19850108; CA 471964 A 19850111; DE 3463310 T 19841217; IN 1016MA1984 A 19841219; US 58918084 A 19840313