

Title (en)

COIL ARRANGEMENT, IN PARTICULAR AN ALTERNATING-CURRENT TRANSFORMER, USE AND ARRANGEMENT FOR ENERGY TRANSMISSION WITHOUT CONTACT

Title (de)

SPULENANORDNUNG, INSBESONDERE WECHSELSTROM-TRANSFORMATOR, VERWENDUNG UND ANORDNUNG ZUR BERÜHRUNGSLOSEN ENERGIEÜBERTRAGUNG

Title (fr)

ENSEMBLE BOBINE, NOTAMMENT TRANSFORMATEUR DE COURANT ALTERNATIF, UTILISATION ET ENSEMBLE AUX FINS DE TRANSMISSION D'ÉNERGIE SANS CONTACT

Publication

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Application

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Abstract (en)

[origin: WO2012019663A1] The invention relates to a coil arrangement, in particular an alternating-current transformer, comprising two windings, which are wound around a leg, in particular around a middle leg, of a coil core, wherein outer legs of the coil core at least partially enclose the coil arrangement, wherein the outer legs and the leg are connected at the respective first end areas thereof by means of a first yoke and at the respective second end areas thereof by means of a second yoke, wherein the windings are arranged at a distance from each other, in particular wherein the windings are formed around the same winding axis, wherein in particular said winding axis extends parallel to the leg, in particular in the direction of the winding axis, wherein the spatial region, in particular a toroidal spatial region, produced by the spacing of the windings is partially filled with a ferrite part, in other words a ferrite body, in particular having a separate ferrite part.

IPC 8 full level

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Cited by

DE102023000998A1; WO2023198387A1; DE102019003843A1; WO2020001811A1

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