Title (en)

REACTOR, PARTICULARLY AIR ISOLATED REACTOR WITHOUT MAGNETIC CORE

Publication

EP 0092018 B1 19860102 (DE)

Application

EP 82890057 A 19820421

Priority

EP 82890057 A 19820421

Abstract (en)

[origin: EP0092018A1] 1. An induction coil, particularly an induction coil which is provided with dry insulation and has no iron core and comprises two or mor individual coils (1, 12, 13), which are concentrically arranged one in the other with intervening gaps and are electrically connected in parallel, wherein the numbers of turns of the individual coils (21, 22, 23) decrease from the inside to the outside, independently of their numbers of turns the windings of the individual coils have approximately the same axial height (H) and the individual coils consist of wound insulated conductors, characterized in that all individual coils (21, 22, 23) consist predominantly of identical conductor bundles (34), which are identical in structure and in conductor cross-section and consist of electrically insulated and twisted individual conductors (341), which have been pressed to have rectangular shapes (24a, 24b, 24c, 34a, 34b, 34c) having different dimensions in the direction of the axis of the coil.

IPC 1-7

H01F 27/28; H01F 39/00

IPC 8 full level

H01F 27/28 (2006.01); **H01F 30/08** (2006.01)

CPC (source: EP)

H01F 27/2823 (2013.01); **H01F 37/005** (2013.01); H01F 2027/2838 (2013.01)

Cited by

WO2006024057A1; CN106796840A; AT501074B1; FR2821480A1; FR2628882A1; US10670670B2; WO2010000005A1; WO2016042086A1; WO02069361A1; EP2304744B2

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0092018 A1 19831026; **EP 0092018 B1 19860102**; AT E17287 T1 19860115; DE 3268234 D1 19860213

DOCDB simple family (application)

EP 82890057 A 19820421; AT 82890057 T 19820421; DE 3268234 T 19820421