

Title (en)

Air core reactor.

Title (de)

Luftdrosselspule.

Title (fr)

Bobine de self à noyau d'air.

Publication

EP 0618596 A1 19941005 (EN)

Application

EP 94200845 A 19940329

Priority

NL 9300590 A 19930402

Abstract (en)

The invention relates to a reactor for application in a transport or distribution network for electrical energy and comprising at least one winding arranged in a metal housing, wherein means are arranged for applying an axial pressure force to the winding, wherein the metal housing forms part of the pressure means. This renders superfluous the use of extra constructions for applying an axial pressure force to the reactor. This avoids the problems associated with such constructions, while the possibility is likewise created of giving the reactor a smaller, lighter and less expensive form. According to a preferred embodiment a magnetic circuit is arranged inside the housing to screen the stray field generated by the winding, wherein at least a part of the magnetic circuit functions as means for transmitting from the housing the axial pressure force to be applied to the winding.

<IMAGE>

IPC 1-7

H01F 27/30; **H01F 39/00**

IPC 8 full level

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

CPC (source: EP)

H01F 27/303 (2013.01); **H01F 30/08** (2013.01)

Citation (search report)

- [X] BE 631443 A
- [A] FR 1273720 A 19611013 - THOMSON HOUSTON COMP FRANCAISE
- [A] DE 1513867 A1 19690220 - GEN ELECTRIC
- [A] PATENT ABSTRACTS OF JAPAN vol. 5, no. 95 (E - 62) 20 June 1981 (1981-06-20)

Cited by

EP2819133A1; US10269483B2; WO2018077566A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0618596 A1 19941005; NL 9300590 A 19941101

DOCDB simple family (application)

EP 94200845 A 19940329; NL 9300590 A 19930402