

Title (en)

ADJUSTABLE ELECTRICAL POWER GENERATOR AND ITS USE IN THE PRODUCTION OF A HOT FLUID

Publication

EP 0368712 B1 19931006 (FR)

Application

EP 89402913 A 19891023

Priority

FR 8815063 A 19881110

Abstract (en)

[origin: EP0368712A1] This generator, usable in a hot water induction boiler, of the "transformer" type having primary 3 and secondary concentric windings surrounding a magnetic core 4 and whose secondary winding, preferably disposed externally, is constituted by a short-circuited 8 tubular coil 2, comprises means of adjusting the power available to the secondary which are constituted by an auxiliary magnetic core 10 disposed in the space 11 separating the primary and secondary windings, without connection with the main core 4 and provided with an electrical control winding 12 and by a unit 13, 14 with adjustable direct -or rectified- current Ic supplying the control winding. Preferably, the auxiliary core is divided into two parts 10a and 10b each provided with its own control winding 12a and 12b in which the adjustable direct currents circulate together in opposite senses. The invention allows direct linear adjustment of the power, and, by comparison with the known generators of the same type, it is such as to procure appreciable advantages in size, simplicity and reliability. <IMAGE>

IPC 1-7

H05B 6/02

IPC 8 full level

H05B 6/02 (2006.01)

CPC (source: EP)

H05B 6/108 (2013.01)

Designated contracting state (EPC)

AT BE CH DE ES GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0368712 A1 19900516; EP 0368712 B1 19931006; AT E95657 T1 19931015; DE 68909742 D1 19931111; FR 2638912 A1 19900511; FR 2638912 B1 19941118

DOCDB simple family (application)

EP 89402913 A 19891023; AT 89402913 T 19891023; DE 68909742 T 19891023; FR 8815063 A 19881110