

Title (en)
INDUCTOR ASSEMBLY AND SPEAKER

Title (de)
INDUKTORANORDNUNG UND LAUTSPRECHER

Title (fr)
ENSEMBLE INDUCTEUR ET HAUT-PARLEUR

Publication
EP 3736840 A4 20210310 (EN)

Application
EP 19743230 A 20190123

Priority
• CN 201810067576 A 20180124
• CN 2019072866 W 20190123

Abstract (en)
[origin: EP3736840A1] Disclosed are an inductor and a speaker. The inductor assembly includes: an inductor and a current regulating device. The inductor includes a first coil and a second coil, wherein the first coil is configured to, after being connected to an operating circuit, enable the second coil to generate an induced current; two ends of the second coil are connected to the current regulating device in series by means of conducting wires, and the current regulating device is configured to regulate the magnitude of the induced current generated by the second coil. In the inductor assembly provided in the present disclosure, a first coil, a second coil, and a current regulating device are provided, and two ends of the second coil are connected to the current regulating device in series by means of conducting wires. After the first coil is connected to a working circuit, the second coil is enabled to generate an induced current. When the inductance of the inductor in the inductor assembly needs to be changed, it is only necessary to adjust the current regulating device, and the operations are simple.

IPC 8 full level
H01F 27/40 (2006.01); **H01F 21/02** (2006.01); **H01F 21/12** (2006.01); **H01F 27/28** (2006.01); **H01F 27/42** (2006.01)

CPC (source: CN EP)
H01F 21/02 (2013.01 - EP); **H01F 21/12** (2013.01 - CN); **H01F 27/28** (2013.01 - CN); **H01F 27/2823** (2013.01 - CN); **H01F 27/40** (2013.01 - CN); **H01F 27/42** (2013.01 - EP)

Citation (search report)
• [X1] JP 2004140165 A 20040513 - MATSUSHITA ELECTRIC IND CO LTD
• [X1] CN 1790565 A 20060621 - UNIV TSINGHUA [CN]
• [X1] RU 2348998 C1 20090310 - GRIGOR EV ALEKSANDR VASIL EVIC [RU], et al
• [X1] CN 202309082 U 20120704 - WUHAN VOLTEK ELECTRICAL ENGINEERING CO LTD
• [A] WO 9928934 A2 19990610 - ASEA BROWN BOVERI [SE]
• [A] US 4207530 A 19800610 - GALLAGHER LAWRENCE W [US]
• [A] CN 2455028 Y 20011017 - LIANG YAOHUI [CN]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3736840 A1 20201111; **EP 3736840 A4 20210310**; **EP 3736840 B1 20230823**; **EP 3736840 C0 20230823**; CN 108447665 A 20180824; CN 111954913 A 20201117; WO 2019144887 A1 20190801

DOCDB simple family (application)
EP 19743230 A 20190123; CN 201810067576 A 20180124; CN 2019072866 W 20190123; CN 201980021874 A 20190123