

Title (en)
ELECTROMAGNETIC INDUCTION DEVICE

Title (de)
ELEKTROMAGNETISCHE INDUKTIONSVORRICHTUNG

Title (fr)
DISPOSITIF D'INDUCTION ELECTROMAGNETIQUE

Publication
EP 3871237 A1 20210901 (FR)

Application
EP 19868191 A 20191127

Priority
• FR 1872540 A 20181207
• FR 2019052825 W 20191127

Abstract (en)
[origin: WO2020115402A1] The invention relates to an electromagnetic induction device (100) comprising: - a core (200) having a main leg (210) which extends between two ends, and a secondary section (220) which connects the two ends (211, 212) of the main leg (210); and - two windings—a primary (300) and a secondary (400)—wound onto different portions of the main leg (210), the primary winding (300) being capable of producing a magnetic flow referred to as the inductive flow, intended to pass through the secondary winding (400); and - said core (200) further comprises pickup means in the form of at least one tongue (230) which extends from the secondary section (220) and comes between the main winding and the secondary winding (400), said pickup means picking up a portion of the magnetic flow, referred to as the pickup flow, such that said pickup flow is subtracted from the inductive flow passing through the second winding, and reloops back into the first winding.

IPC 8 full level
H01F 3/12 (2006.01); **H01F 27/38** (2006.01)

CPC (source: EP)
H01F 3/12 (2013.01); **H01F 27/346** (2013.01); **H01F 27/38** (2013.01); **H01F 27/306** (2013.01); **H01F 2003/106** (2013.01); **Y02T 10/70** (2013.01); **Y02T 10/7072** (2013.01); **Y02T 90/12** (2013.01); **Y02T 90/14** (2013.01)

Citation (search report)
See references of WO 2020115402A1

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)
WO 2020115402 A1 20200611; EP 3871237 A1 20210901; FR 3089676 A1 20200612; JP 2022513161 A 20220207

DOCDB simple family (application)
FR 2019052825 W 20191127; EP 19868191 A 20191127; FR 1872540 A 20181207; JP 2021530987 A 20191127