

Title (en)

ELECTRICAL CIRCUIT FOR THE EXCITATION OF AT LEAST ONE ELECTROMAGNET

Title (de)

ELEKTRISCHE SCHALTUNG ZUR ANREGUNG VON MINDESTENS EINEM ELEKTROMAGNET

Title (fr)

CIRCUIT ELECTRIQUE POUR L'EXCITATION D'AU MOINS UN ELECTRO-AIMANT

Publication

**EP 2870614 A1 20150513 (FR)**

Application

**EP 13739761 A 20130701**

Priority

- FR 1256371 A 20120703
- FR 2013051538 W 20130701

Abstract (en)

[origin: WO2014006313A1] Electrical circuit (1) for the excitation of at least one electromagnet (4), comprising: - an inductor (4) forming the electro magnet, said inductor (4) extending between a first terminal (6) and a second terminal (7), - a first electrical energy storage unit (2), - a second electrical energy storage unit (3), and - a switching system (5) interposed between the inductor (4) and the electrical energy storage units (2, 3), the switching system (5) being configured so as to: - allow positive electrical current (i1) issuing from the first electrical energy storage unit (2) to flow from the second (7) to the first (6) terminal of the inductor (4), in such a way as to perform a first charging of the inductor (4), - allow positive electrical current (i1) flowing from the second (7) to the first (6) terminal of the inductor (4) to flow in the second electrical energy storage unit (3) and - allow positive electrical current (i2) issuing from the second electrical energy storage unit (3) to flow from the first (6) to the second (7) terminal of the inductor (4), in such a way as to perform a second charging of the inductor (4).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2014006313A1

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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