

Title (en)
FREE-WHEELING CIRCUIT

Title (de)
FREILAUFKREIS

Title (fr)
CIRCUIT ROUE LIBRE

Publication
EP 2483984 A2 20120808 (DE)

Application
EP 10743100 A 20100810

Priority
• DE 102009043415 A 20090929
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Abstract (en)
[origin: WO2011038969A2] The invention relates to a free-wheeling circuit for the rapid reduction of a shutdown overvoltage of an inductive load (1) when the latter is shut down. The free-wheeling circuit comprises a switching threshold component (11) by which the free-wheeling circuit becomes active more rapidly compared to a free-wheeling circuit without said switching threshold component (11), thereby ensuring a more rapid reduction of the shutdown overvoltage. If a control voltage provided by a control voltage source (2) falls below a threshold voltage set by the switching threshold component (11), a capacitive energy accumulator is immediately discharged and not only when the control voltage is reduced to near zero, and said energy accumulator then activates the free-wheeling circuit for reducing the shutdown overvoltage, when in the nearly discharged state.

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CPC (source: EP US)
H01F 7/1811 (2013.01 - EP US); **H01F 7/1883** (2013.01 - EP US)

Citation (search report)
See references of WO 2011038969A2

Cited by
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Designated contracting state (EPC)
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