

Title (en)  
CONVERTER WITH DISTRIBUTED BRAKE RESISTANCES

Title (de)  
UMRICHTER MIT VERTEILTEN BREMSWIDERSTÄNDEN

Title (fr)  
CONvertisseur à RÉsistances de freinage réparties

Publication  
**EP 2319168 A2 20110511 (DE)**

Application  
**EP 09781916 A 20090817**

Priority  

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- DE 102008045247 A 20080901

Abstract (en)  
[origin: WO2010023127A2] The aim of the invention is to provide a device (15) for converting electrical energy into heat in the field of drive voltage technology and/or high voltage technology, said device comprising a brake resistance and at least one controllable brake power semiconductor for controlling the conversion, enabling a rapid and economical transformation of effective power into heat as required. To this end, the brake resistance comprises a plurality of individual brake resistances (18) that are each part of a bipolar submodule (14), the submodules (14) being connected in series, forming a submodule series connection, and at least partially comprising an energy accumulator (16) respectively connected in parallel to an associated individual brake resistance (18) and a controllable brake power semiconductor (28), which allows the current flow over the respectively associated individual brake resistance (18) in a brake position, and interrupts the current flow over the brake resistance in a normal operating position.

IPC 8 full level  
**H02P 3/22** (2006.01)

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