

Title (en)  
SWITCH INPUT CURRENT CIRCUIT

Title (de)  
EIN SCHALTER-EINGANGSSTROMKREIS

Title (fr)  
CIRCUIT D'ENTREE A COMMUTATEURS

Publication  
**EP 1240654 B1 20040218 (DE)**

Application  
**EP 00993348 A 20001128**

Priority  
• AU 6445299 A 19991210  
• DE 0004230 W 20001128

Abstract (en)  
[origin: WO0143151A1] The invention relates to a method and to a corresponding device for improving the consumption of energy of a switch input current circuit that contains resistor elements. The inventive method comprises the following steps: providing a wetting current on at least one switch by means of a corresponding resistor element, modulating the wetting current with a pulse-width modulation signal to provide a reduced average voltage that is supplied to the corresponding resistor element, thereby reducing the consumption of energy of the electric circuit.

IPC 1-7  
**H01H 1/60**

IPC 8 full level  
**H01H 1/60** (2006.01)

CPC (source: EP US)  
**H01H 1/605** (2013.01 - EP US)

Cited by  
DE102018101517A1; DE102011115707A1; US9897633B2; US9835687B2; US11431179B2; DE202018102677U1; WO2019145309A1

Designated contracting state (EPC)  
DE GB IT

DOCDB simple family (publication)  
**WO 0143151 A1 20010614**; AU 731189 B1 20010329; DE 50005362 D1 20040325; EP 1240654 A1 20020918; EP 1240654 B1 20040218; US 6800965 B1 20041005

DOCDB simple family (application)  
**DE 0004230 W 20001128**; AU 6445299 A 19991210; DE 50005362 T 20001128; EP 00993348 A 20001128; US 16962202 A 20021004