



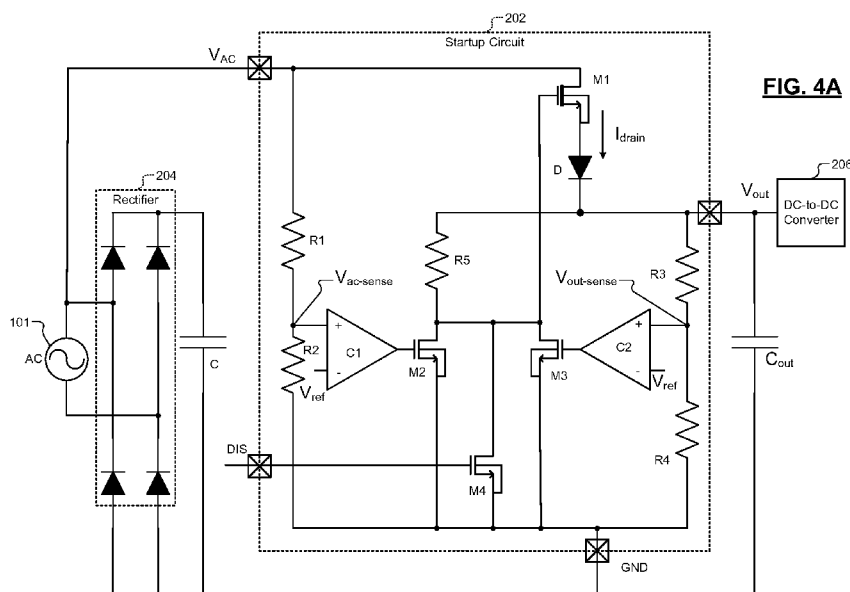
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[Continued on next page]

(54) Title: HIGH-VOLTAGE STARTUP CIRCUIT



(57) Abstract: A system including a power transistor configured to receive an alternating current (AC) line voltage and a control circuit. During a rising portion of a half cycle of the AC line voltage, the control circuit is configured to turn on the power transistor when the AC line voltage reaches a first value and turn off the power transistor when the AC line voltage reaches a second value. The second value is greater than the first value. During a falling portion of the half cycle, the control circuit is configured to turn on the power transistor when the AC line voltage reaches the second value and turn off the power transistor when the AC line voltage reaches the first value.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. H02M1/36 H02M7/217
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
H02M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2006/034109 A1 (BENABDELAZIZ GHAFOUR [FR] ET AL) 16 February 2006 (2006-02-16) figures 2,3A,3B,3C,4,5A,5B,5C -----	1-20
X	US 5 712 774 A (URAMOTO HIROSHI [JP]) 27 January 1998 (1998-01-27) abstract figures 1,2 -----	13-20
A	DE 33 04 759 A1 (SIEMENS AG [DE]) 16 August 1984 (1984-08-16) abstract figures 1-4 -----	1-20
A	US 6 229 681 B1 (LEE JOO-HYOUNG [KR]) 8 May 2001 (2001-05-08) figures 2,3 column 3, lines 44-48 -----	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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