

Title (en)
Lamp lighting control circuit

Title (de)
Beleuchtungssteuerungsschaltung für eine Lampe

Title (fr)
Circuit de commande d'éclairage d'une lampe

Publication
EP 1087643 A3 20031210 (EN)

Application
EP 00203262 A 20000920

Priority
JP 26844899 A 19990922

Abstract (en)
[origin: EP1087643A2] In a lamp lighting control circuit according to claim 1 for lighting a lamp (5) with an AC voltage output from an electric generator (2) which rotates in conjunction with an engine, a switching device (SCR2) is connected between the electric generator (2) and the lamp (5) and the switching device (SCR2) is turned on after a delay (Td) from a point of time (T1) when either one of positive and negative half-waves of said AC voltage begins to be generated from said electric generator (2). Preferably, the control circuit may further comprise a lamp effective voltage monitoring circuit (7a) for monitoring an effective voltage of the lamp (5), wherein said lamp effective voltage monitoring circuit (7a) prevents the turning on of the thyristor when it detects an overvoltage of said lamp (5). <IMAGE>

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H05B 39/08; **H02P 9/48**

IPC 8 full level
H02M 7/12 (2006.01); **H05B 37/02** (2006.01); **H05B 39/00** (2006.01); **H05B 39/04** (2006.01); **H05B 39/08** (2006.01)

CPC (source: EP)
H05B 39/00 (2013.01); **H05B 39/04** (2013.01); **H05B 39/08** (2013.01)

Citation (search report)
• [X] EP 0936720 A2 19990818 - MITSUBA CORP CO LTD [JP]
• [X] FR 2674382 A1 19920925 - MITSUBA ELECTRIC MFG CO [JP]
• [PX] EP 0965752 A2 19991222 - DUCATI ENERGIA SPA [IT]
• [A] FR 2742278 A1 19970613 - MITSUBA CORP [JP]

Cited by
EP2665345A4; TWI514921B

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