

Title (en)
Electronic ballast with a full-bridge circuit

Title (de)
Elektronisches Vorschaltgerät mit Vollbrückenschaltung

Title (fr)
Ballast électronique avec un circuit en pont complet

Publication
EP 1465465 A3 20041013 (DE)

Application
EP 04013891 A 20010911

Priority
• DE 10051139 A 20001016
• EP 01974243 A 20010911

Abstract (en)
[origin: US2004004447A1] An electronic ballast for controlling the operating behavior and brightness of a gas discharge lamp, includes a full bridge circuit fed with a d.c. voltage (UBUS). The gas discharge lamp is connected as a load of the full bridge circuit, and a control circuit in each case switches on one bridge diagonal and switches off another bridge diagonal of the full bridge circuit, alternatingly. The bridge diagonals each have a regulatable constant current source for regulating a lamp current, and thereby the occurrence of flickering appearances is suppressed. As a result, the lamp can be dimmed over a very wide range of brightnesses.

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H05B 41/392

IPC 8 full level
H05B 41/282 (2006.01); **H05B 41/392** (2006.01)

CPC (source: EP US)
H05B 41/2828 (2013.01 - EP US); **H05B 41/3921** (2013.01 - EP US); **H05B 41/3927** (2013.01 - EP US)

Citation (search report)
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• [A] EP 0473157 A2 19920304 - TOSHIBA LIGHTING & TECHNOLOGY [JP]
• [A] EP 0633711 A1 19950111 - TOTO LTD [JP]
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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
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DOCDB simple family (application)
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