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(71) Applicant: **Dossena S.n.c. di Barbati Agostino & C.**
26824 Cavenago d'Adda, LODI (IT)

(72) Inventors:
• **Barbati, Agostino**
26824 Cavenago d'Adda, Lodi (IT)
• **Farfarini, Franco**
26824 Cavenago d'Adda, Lodi (IT)

(74) Representative: **Mitola, Marco et al**
Jacobacci & Partners S.p.A.
Via Berchet 9
35131 Padova (IT)

(54) **Electronic power supply unit for a discharge lamp, lighting system and method of lighting a discharge lamp**

(57) An electronic power supply unit (4) for discharge lamps, comprises an electronic power supply circuit (8) suitable to receive a mains voltage in input (V_{cc}) and to generate, on the two output terminals (18), a triggering voltage (V_{imp}) to trigger an associable discharge lamp

(12). Advantageously, the power supply unit (4) sends the output terminals (18) two impulse voltages ($\pm V_{imp}$) of the same value and opposing polarities, so as to generate a total power supply voltage of double the value of the voltages ($\pm V_{imp}$) of the single output terminals (18) and suitable to trigger the lamp (12).

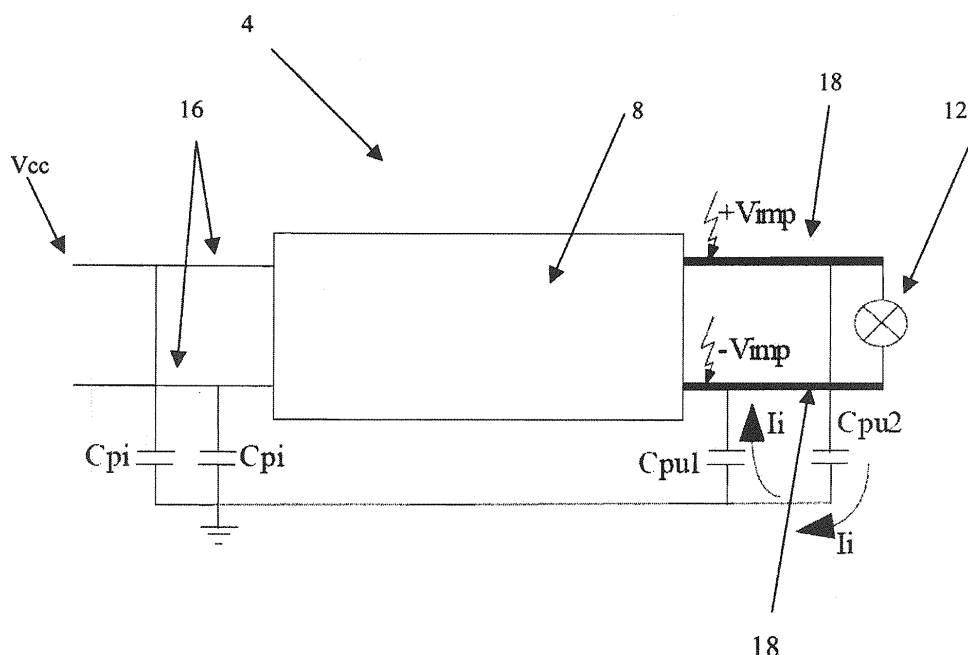


Fig. 2



EUROPEAN SEARCH REPORT

Application Number
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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Place of search Munich		Date of completion of the search 14 March 2011	Examiner Hernandez Serna, J
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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14-03-2011

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