

Title (en)
INDUCTIVELY POWERED LIGHTING

Title (de)
INDUKTIV GESPEISTE BELEUCHTUNG

Title (fr)
BLOC D'ECLAIRAGE A ALIMENTATION INDUCTIVE

Publication
EP 0786165 A1 19970730 (EN)

Application
EP 95923610 A 19950711

Priority
• NZ 9500061 W 19950711
• NZ 26400094 A 19940713

Abstract (en)
[origin: WO9602970A1] An inductively powered lamp unit (500) that uses an inductive power pick up comprising a resonant circuit including an inductance (401) and capacitance (402), the induced current circulating in the resonant circuit is limited to a maximum value by a shorting switch (503) that closes a connection across the inductance (401) shorting the resonant circuit. The shorting switch (503) is controlled by a comparator (506) that compares the sensed current with a reference value (510). Voltage control may be similarly implemented. Power is supplied to LED's (405), control data may also be conveyed through the inductive link. Applications include roadway markers, fire escape indicators, underwater or explosive environmental lighting.

IPC 1-7
H02J 17/00

IPC 8 full level
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