

Title (en)

ENERGY TRANSFER THROUGH OPTICAL ROUTE FOR CHARGING AN ELECTRIC DEVICE

Title (de)

ENERGIEÜBERTRAGUNG ÜBER EINE OPTISCHE ROUTE ZUM LADEN EINES ELEKTRISCHEN GERÄTES

Title (fr)

TRANSMISSION D'ENERGIE PAR VOIE OPTIQUE POUR CHARGER UN DISPOSITIF ELECTRIQUE

Publication

EP 2097996 A2 20090909 (FR)

Application

EP 07871914 A 20071211

Priority

- FR 2007052484 W 20071211
- FR 0655934 A 20061222

Abstract (en)

[origin: WO2008081138A2] A power transmitter (T) transfers energy by optical route toward an electric device (DE), such as a mobile phone, comprising a battery (BI) linked to a photoreceptor (PR). The transmitter comprises: a detector (DP) for detecting a presence signal (Sp) emitted by the electric device so that the transmitter emits a low power light beam (LB), a positioning mechanism (PM) and an variable optical focalization system (OF) so as to position the low power light beam on the photoreceptor (PR), a circuit (CAR-SL) for controlling the reception power of the photoreceptor during battery charging by the photoreceptor, and a detector (DP) of end of charging of the battery to stop the emission of the light beam.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2008081138A2

Cited by

US9559545B2; US10505393B2

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