

Title (en)

FIELD EMITTING/ELECTRIC-POWER GENERATING DEVICE

Title (de)

FELDEMITTIERENDE BZW. ELEKTRISCHEN STROM ERZEUGENDE EINRICHTUNG

Title (fr)

DISPOSITIF DE GENERATION D'ENERGIE ELECTRIQUE/D'EMISSION DE CHAMP

Publication

**EP 2006996 A1 20081224 (EN)**

Application

**EP 06731554 A 20060411**

Priority

JP 2006307607 W 20060411

Abstract (en)

Stable generation of electricity can be achieved based on a new concept different from those of the conventional electricity generating methods, with a small external energy input, with high efficiency, and without apprehension of exhaustion, while paying due consideration to the environment. The electricity generating apparatus includes an electron supplier (20) made of a metal or a free-electron material, an electron emitting port (30) provided electrically conductive with the electron supplier (20), an electron extracting electrode (40) provided opposite to the electron emitting port (30) via an electrical insulation region (F) and for applying an electrical field to cause electrons to be attracted and emitted from the electron emitting port (30), an electron collector (50) for collecting the electrons emitted by the electron extracting electrode (40), and an electron absorption preventing means for preventing the electrons emitted from the electron emitting port (30) from being absorbed by the electron extracting electrode (40), wherein a positive voltage is applied to the electron extracting electrode (40) to cause the electrons to be field-emitted from the electron emitting port (30), and the emitted electrons are received and collected by the electron collector (50).

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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