

Title (en)
Electron emission element.

Title (de)
Elektronenemittierendes Element.

Title (fr)
Élément émetteur d'électrons.

Publication
EP 0259878 A2 19880316 (EN)

Application
EP 87113260 A 19870910

Priority

- JP 1819187 A 19870130
- JP 21282186 A 19860911
- JP 23450186 A 19861003
- JP 28424086 A 19861201
- JP 29768386 A 19861216

Abstract (en)
An electron emission element comprises a P-type semiconductor substrate (1) and electrodes (2, 3) formed on both ends of the semiconductor substrate. A voltage is applied between said electrodes. The P-type semiconductor substrate is irradiated with light to emit the electrons, generated in the P-type semiconductor substrate by photoexcitation, from an electron emitting face (4) at an end of the P-type semiconductor substrate.

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H01J 1/30; **H01J 1/34**

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CPC (source: EP)
H01J 1/308 (2013.01); **H01J 1/34** (2013.01); **H01J 2201/3423** (2013.01)

Cited by
EP0721654A4; EP1939917A3; EP0627756A1; US5471051A; GB2271464A; US6057639A; EP0642147A1; US5591986A; US5747826A; EP0592731A1; US5336902A; US8421354B2

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