METHOD OF MANUFACTURING A FIELD EMITTING ELECTRODE

This invention relates to a method of manufacturing an field emission electrode, including a field emission electrode substrate (1) and a plurality of emitter particles (2) arranged on said field emission electrode substrate (1), comprising the steps of: - dispersing said emitter particles (2) as aerosolized emitter particles (2) in a carrier gas stream; - electrically charging said emitter particles (2); and - directing said charged emitter particles (2) in the carrier gas stream via at least one outlet towards the field emission electrode substrate (1) while maintaining an electric field between the substrate (1) and a deposition electrode (10) near the outlet, whereafter said emitter particles (2) are deposited on and adhered to said field emission electrode substrate (1).
Published:

with international search report

before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:

7 April 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.
# INTERNATIONAL SEARCH REPORT

**IPPC 7**  
H01J9/02  
H01J1/304

According to International Patent Classification (IPC) or to both national classification and IPC

**MINIMUM DOCUMENTATION SEARCHED**  
(classification system followed by classification symbols)

IPC 7  
H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched:

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

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<th>Relevant to claim No.</th>
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Further documents are listed in the continuation of box C.  

| Patent family members are listed in annex. |

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**Date of the actual completion of the international search**  
11 February 2005

**Date of mailing of the international search report**  
23/02/2005

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