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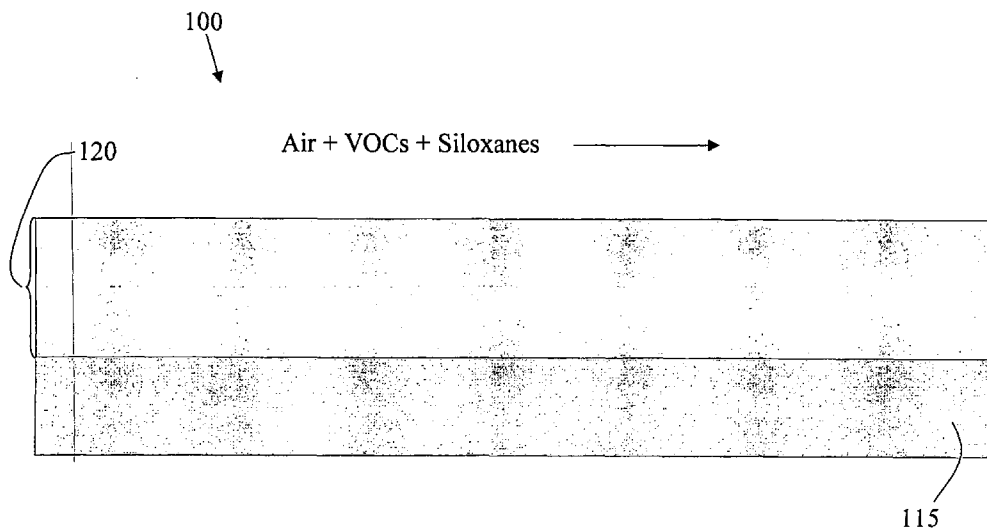
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(54) Title: AIR PURIFICATION SYSTEM



(57) Abstract: An air purification system that comprises a substrate, and at least one layer of photocatalysts. The at least one layer of photocatalysts further comprise a plurality of metal clusters.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - B01J 23/00 (2007.10)

USPC - 502/350

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

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

USPC: 502/350

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

Google patent, Google scholar - see keywords below

USPC: 422/122 and all subclasses of 502

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

Electronic Databases Searched: USPTO WEST (PGPUB, EPAB, JPAB, USPT), Google patent, Google scholar. Search Terms Used: photocatalyst, interconnect\$, porous, air adj purifif\$, contaminat\$, overlayer, metal cluster, honeycomb, aluminum, doped, fumed , silica.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/0098977 A1 (Park et al.) 25 July 2002 (25.07.2002); entire document, especially abstract; para [0002]; [0012]-[0013]; [0016]; [0021]; [0025]; [0036]	1-12
Y	US 2005/0095189 A1 (Brey et al.) 05 May 2005 (05.05.2005); entire document, especially table 2; para [0116]; [0119]; [0098]; [0128]; [0154]; [0240]	1-12
A	US 6,524,536 B2 (Newman et al.) 25 February 2003 (25.02.2003); entire document	1-12

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