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(54) Title: CHEMICAL VAPOR DEPOSITION REACTOR

(57) Abstract: A chemical vapor deposition reactor has a rotatable wafer carrier which cooperates with a chamber of the reactor to facilitate laminar flow of reaction gas within the chamber. The chemical vapor deposition reactor can be used in the fabrication of LEDs and the like.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H01L021/00;C23C016/00

US CL : 118/715,725,728

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)

U.S. : 118/725,728

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 practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	WO 02/18672 (JURGENSEN et al) 7 March 2002(07.03.2002), Fig 1-3, 19, 26, 25, 23 and col 1 lines 8-13 from English publication 2003/0221624	1-5,7-15,18-24,28-31,35-41,44-50,61,63-67,71-74,78-84,87-93,104-108,112-115,119-122,124-128 and 133-160, ----- 6,16-17,25-27,32-34,42-43,53-60,62,68-70,75-77,85-86,96-103,109-111,116-118,129-132
X	US 6113984 (MACLEISH et al) 5 September 2000 (5.9.2000), Abstract and Fig 1, 2, 14 and description of whole patent.	20-24,29,35-39,46-49,51-52,63,94-95,104-106,119-120 and 123



Further documents are listed in the continuation of Box C.



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"P"	document published prior to the international filing date but later than the priority date claimed		

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C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6143077 (IKEDA et al) 7 November 2000 (7.11.2000), column 8 lines 59-63	25-27, 32-34, 68-70, 76-77
Y	US 4798166 (HIROOKA et al) 17 January 1989 (10.01.1989), Fig 1	6, 16, 53-60, 62, 96-103, 109-111, 116 and 129-130
Y	JP 62211914 (IKEDA et al) 17 September 1987 (17.09.1987) Abstract and Fig 2	42-43 and 85-86
Y	US 4980204 (FUJII et al) 25 December 1990 (25.12.1990) Fig 1	62