



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
04.11.2009 Bulletin 2009/45

(51) Int Cl.:
H01J 61/54^(2006.01) H01J 65/04^(2006.01)

(43) Date of publication A2:
23.07.2003 Bulletin 2003/30

(21) Application number: **02023147.8**

(22) Date of filing: **15.10.2002**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
IE IT LI LU MC NL PT SE SK TR**
Designated Extension States:
AL LT LV MK RO SI

(72) Inventors:
• **Döll, Gerhard, Dr.**
89075 Ulm (DE)
• **Kumpf, Wolfgang**
89542 Herbrechtingen (DE)
• **Olsen, Joseph-A.**
Gloucester, MA 01930 (US)

(30) Priority: **14.12.2001 EP 01129856**

(71) Applicant: **Patent-Treuhand-Gesellschaft für
elektrische
Glühlampen mbH**
81543 München (DE)

(54) **Dielectric barrier discharge lamp with starting aid**

(57) In order to improve the starting of a dielectric barrier discharge lamp it is proposed to provide means for igniting an auxiliary discharge inside the exhaust tube (5) of the lamp.

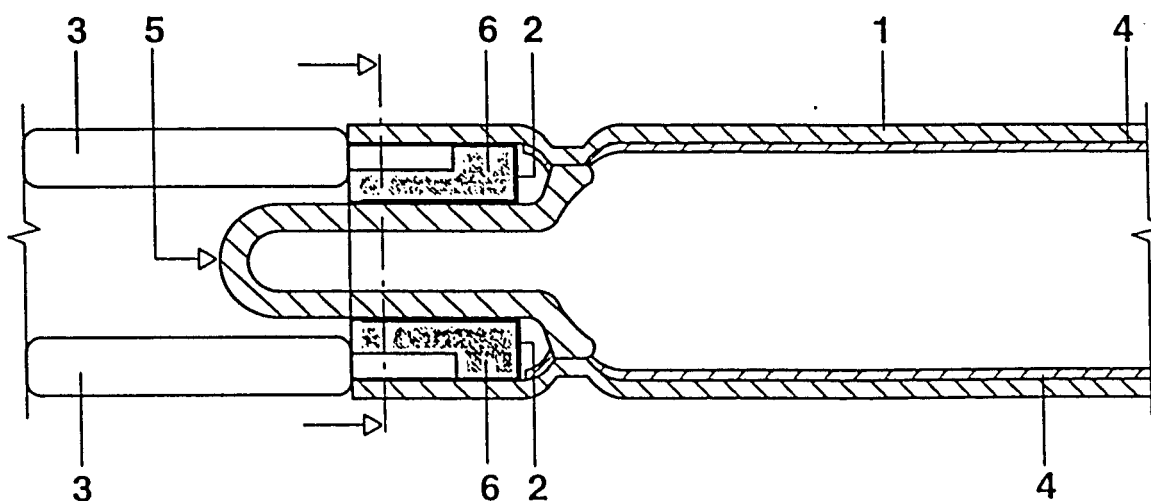


FIG. 1a



EUROPEAN SEARCH REPORT

Application Number
EP 02 02 3147

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	EP 1 067 582 A (USHIO ELECTRIC INC [JP]) 10 January 2001 (2001-01-10) * paragraphs [0004], [0007], [0017] *	1-19	INV. H01J61/54 H01J65/04
A	WO 00/58998 A (KONINKL PHILIPS ELECTRONICS NV [NL]; PHILIPS CORP INTELLECTUAL PTY [DE]) 5 October 2000 (2000-10-05) * pages 1,2 * * page 4, line 18 - page 5, line 28 * * page 7, lines 14-24 * * claim 1 *	1-19	
A	EP 1 111 656 A (TOSHIBA LIGHTING & TECHNOLOGY [JP]) 27 June 2001 (2001-06-27) * paragraphs [0015], [0021], [0024], [0079], [0080] *	1-19	
A,D	US 6 097 155 A (VOLLKOMMER FRANK [DE] ET AL) 1 August 2000 (2000-08-01) * claim 1 *	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			H01J
Place of search		Date of completion of the search	Examiner
The Hague		15 September 2009	But, Gabriela-Ileana
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

1
EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 02 3147

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

15-09-2009

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1067582	A	10-01-2001	DE 60038415 T2	23-04-2009
			JP 3491566 B2	26-01-2004
			JP 2001023578 A	26-01-2001
			KR 20010015177 A	26-02-2001
			TW 563892 Y	21-11-2003
			US 6525451 B1	25-02-2003

WO 0058998	A	05-10-2000	CN 1310857 A	29-08-2001
			JP 2002540583 T	26-11-2002
			US 6297599 B1	02-10-2001

EP 1111656	A	27-06-2001	WO 0075961 A1	14-12-2000
			JP 3674695 B2	20-07-2005
			US 6614185 B1	02-09-2003

US 6097155	A	01-08-2000	AT 214201 T	15-03-2002
			CA 2259365 A1	05-11-1998
			CN 1225748 A	11-08-1999
			WO 9849712 A1	05-11-1998
			DE 19718395 C1	29-10-1998
			EP 0922297 A1	16-06-1999
			ES 2174454 T3	01-11-2002
			HU 0100194 A2	28-05-2001
			JP 2000513872 T	17-10-2000
			KR 20000022412 A	25-04-2000
			TW 419704 B	21-01-2001
