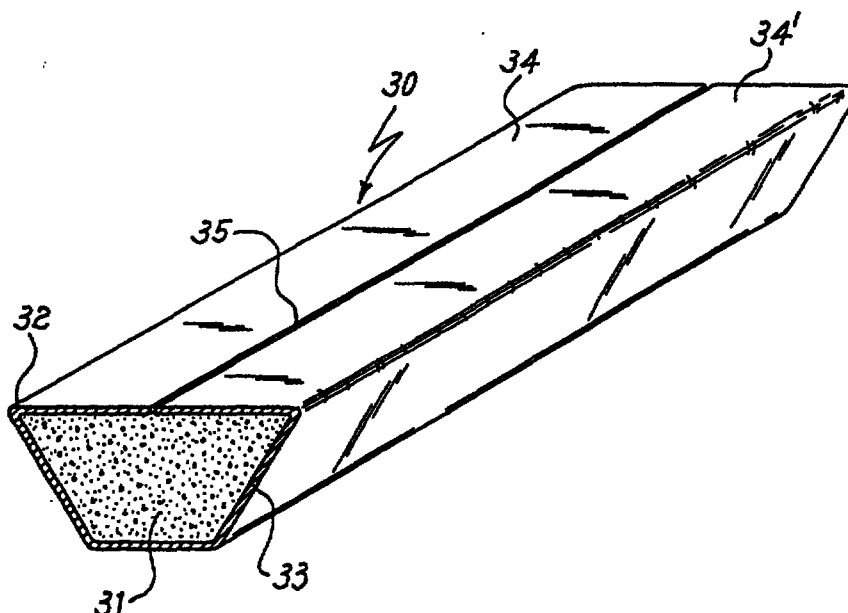




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H01J 9/395	A1	(11) International Publication Number: WO 98/53479 (43) International Publication Date: 26 November 1998 (26.11.98)
(21) International Application Number: PCT/IT98/00117 (22) International Filing Date: 12 May 1998 (12.05.98) (30) Priority Data: MI97A001202 22 May 1997 (22.05.97) IT (71) Applicant (for all designated States except US): SAES GETTERS S.P.A. [IT/IT]; Viale Italia, 77, I-20020 Lainate (IT). (72) Inventors; and (75) Inventors/Applicants (for US only): GIORGI, Stefano, Paolo [IT/IT]; Via San Carlo, 126, I-20017 Rho (IT). BORGHI, Mario [IT/IT]; Via Mazzini, 12, I-20030 Barlassina (IT). (74) Agents: ADORNO, Silvano; Società Italiana Brevetti S.p.A., Via Carducci, 8, I-20123 Milano (IT) et al.	(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	

(54) Title: DEVICE AND METHOD FOR INTRODUCING SMALL AMOUNTS OF MERCURY INTO FLUORESCENT LAMPS



(57) Abstract

The device is formed of a metallic container which is capable of containing powders of one or more compounds having the general formula $Ti_xZr_yHg_z$, but is not hermetically sealed, in order to allow the discharge of mercury vapors generated by the decomposition of such compounds. Some possible device geometries are disclosed, as well as some possible arrangements of the same inside lamps. Finally a method is disclosed for introducing mercury into a lamp by means of a device of the invention, without the device remaining in the resulting lamp.