

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
20 February 2003 (20.02.2003)

PCT

(10) International Publication Number
WO 03/013620 A1

(51) International Patent Classification⁷: **A61L 9/22**,
H01T 23/00

(21) International Application Number: PCT/JP02/08106

(22) International Filing Date: 7 August 2002 (07.08.2002)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2001-239908 7 August 2001 (07.08.2001) JP

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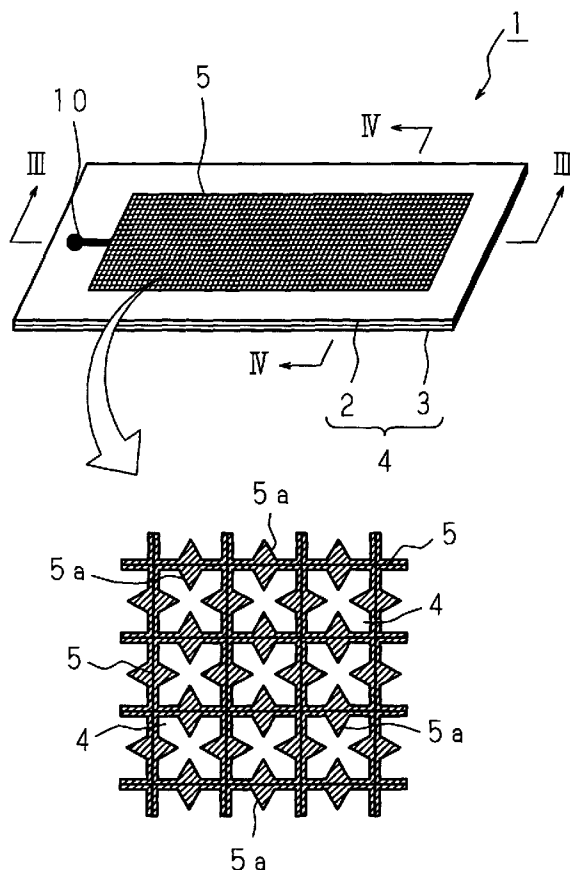
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(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC,

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(54) Title: ION GENERATING ELEMENT AND ION GENERATOR, AIR CONDITIONING APPARATUS, CLEANER AND REFRIGERATOR CONTAINING THE SAME



(57) Abstract: ABSTRACT The present invention includes an inner electrode 6 formed inside a dielectric body 4 and a surface electrode 5 formed on a surface of the dielectric body 4, and the surface electrode 5 is formed in a grid pattern with acuminate parts 5a formed inside the grid squares. More specifically, each acuminate part 5a is made of a triangle whose vertices are two arbitrary points on a side of the grid square and an arbitrary point inside the grid square, or a quadrangle whose vertices are a crossing of grid lines, an arbitrary point near a straight line connecting crossings of grid lines in the diagonal positions, and two arbitrary points on sides of the grid square. The present invention provides an ion generating element capable of generating positive ions and negative ions in a stable manner even under a wide range of applied voltage while curbing the increase in noise, and capable of decreasing the generation of ozone, and provides an ion generator, air conditioning apparatus, cleaner and refrigerator using this ion generating element.

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LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW.

TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK,

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