

FLAT COPLANAR-DISCHARGE LAMP AND USES

SAINT-GOBAIN GLASS FRANCE

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ABSTRACT

A flat discharge lamp (100) transmitting radiation in the ultraviolet or the visible, comprising:

- first and second flat, or substantially flat, glass elements (2, 3) kept substantially parallel to each other and defining an internal space (10) filled with gas (71), the first and/or second glass element being made of a material that transmits said radiation;
- at least one first electrode (41a) and at least one second electrode (51a) which may be at different potentials and may be supplied by an AC voltage (V1), the first and second electrodes being associated with one or more main faces (21) of the first glass element, the first and second electrodes being essentially elongate and substantially parallel to one another, and separated by at least one space, called the interelectrode space, of given width, called d1, which is substantially constant, characterized in that it further includes at least one third electrode (42a) which may be at a given potential (V01) associated with a main face (31) of the second glass element and at least partly occupying, in projection, the interelectrode space.

Figure for the Abstract: Figure 1