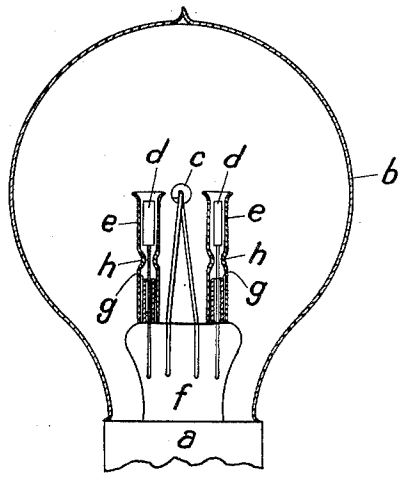
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INCANDESCENT CATHODE RECTIFIER FOR MEDIUM VOLTAGES

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INCANDESCENT-CATHODE RECTIFIER FOR MEDIUM VOLTAGES

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The present invention relates to incandescent cathode rectifiers the anodes of which are shut off one from the other by a screen in order to improve the insulation of the anodes one from the other.

According to the present invention the screen consists of non-conducting tubes attached to the base of the rectifier vessel, such tubes surrounding the anodes in close proximity therewith but without coming into contact with them, while the upper edges of the tubes may project slightly above the edges of the anodes.

One construction of rectifier according to the invention is illustrated in the single figure of the accompanying drawing.

Referring to the drawing, *a* is the base, *b* the bulb, *c* the incandescent cathode, and *d* the anodes. The anodes are surrounded by the quartz tubes *e* which do not come into contact with them, and the upper edges of the tubes project slightly above the upper ends of the anodes. The tubes *e* slip over the glass tubes *g* which are fused into the stem *f*, and in this position they are held by the constricted part *h* which is narrower than the thickness of the anodes.

I claim:

1. An incandescent cathode rectifier for medium voltages having anodes, a cathode, a base supporting the electrodes, non-conducting tubes attached to the base of the rectifier and mounted to screen the anodes one from the other, said tubes surrounding the anodes without coming into contact with them and each having a constricted portion therein between the anodes and the base, and the upper edges of the tubes projecting slightly above the upper edges of the anodes.

2. An incandescent cathode rectifier for medium voltages having anodes, a cathode, a base supporting the electrodes, non-conducting tubes fastened to the base, second non-conducting tubes surrounding the first non-conducting tubes and mounted to screen the anodes one from the other and surrounding the anodes without coming into contact with them and each having a constricted portion therein between the anodes and the base, and the upper edges of the second tubes projecting slightly above the upper edges of the anodes.

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