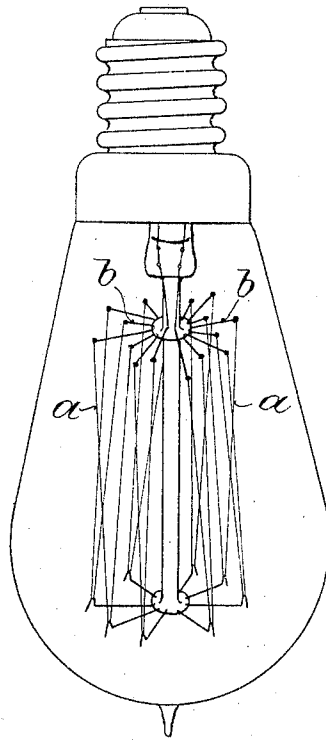


C. RUMENAPP.
METAL FILAMENT LAMP.
APPLICATION FILED MAR. 20, 1909.

959,075.

Patented May 24, 1910.



WITNESSES:

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CARL RUMENAPP, OF AUGSBURG, GERMANY.

METAL-FILAMENT LAMP.

959,075.

Specification of Letters Patent.

Patented May 24, 1910.

Application filed March 20, 1909. Serial No. 484,794.

To all whom it may concern:

Be it known that I, CARL RUMENAPP, citizen of Prussia, residing at Augsburg, Bavaria, Germany, have invented certain new and useful Improvements in Metal-Filament Lamps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Most metal filament lamps, which are capable of being used in any position, possess the disadvantage that two neighboring filaments may come into contact and be fused together when the lamp is shaken, this being chiefly due to the fact that the single threads are arranged conformably to the surface of a cylinder, or more or less parallel to the axis of the lamp. In the lamp according to the present invention this disadvantage is removed by arranging the single lengths of filament (a) at different angles to the axis of the lamp, and not as heretofore conform-

ing to a cylindrical surface; this arrangement of the filaments is attained by making the wires (b), which serve to distribute the current, and to which the single lengths of filament are attached, alternately of different lengths.

What I claim as my invention and desire to secure by Letters Patent, is:

1. A metal filament lamp, characterized by the arrangement of alternately long and short current distribution wires.

2. An incandescent electric lamp of the character described, having a plurality of filament-supporting arms of varying lengths, lying in substantially the same horizontal plane.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

CARL RUMENAPP.

Witnesses:

WILH. WISSMANN,
BERTHOLD MONASCH.