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(54) **VARIABLE ELECTRIC FIELD BALANCING DEVICE**

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(58) **Field of Classification Search**
CPC combination set(s) only.
See application file for complete search history.

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(57) **ABSTRACT**

Variable electric field balancing device formed by a hollow assembly that, with geometric shapes that can be different on the outside, includes an upper passive capture element (2), as a capture electrode, a lower passive capture element (3), as a reception electrode, and an insulator element (4) that keeps them separated from each other at a distance (d) dependent on the conductivity coefficient of the materials, and that, also, externally covers the lower element (3) like a skirt to the lower base of the same, preventing the impact of a lightning bolt on the lower element (3) from being able to induce the generation of an upward leader, and there is also an expansion and compression valve (5) that connects the outside to the inside of the hollow assembly and which expands in phases of passage of current and/or absorption of external induced surges, and compressed at the end of the compensation of the field.

7 Claims, 1 Drawing Sheet