

CLAIMS

1. A cathode structure for a cathode ray tube, including a first metal tube adapted to receive an emitting part and a heating element, a second metal tube surrounding said first metal tube,
5 and means for retaining the first tube positioned inside the second tube, comprising

the retaining means being ~~constituted by~~ a single metal piece, *including*

- 10 ~~2. A cathode structure according to claim 1, wherein the single metal piece includes a crown having a plurality of branches extending in the direction of the axis of said crown, and~~

- ~~3. A cathode structure according to claim 2, wherein~~
15 ~~there are at least three of said branches.~~

~~4. A cathode structure according to claim 2, wherein said crown is fixed to said second metal tube.~~

- 20 ~~5. A cathode structure according to claim 4, wherein said crown is arranged inside said second tube.~~

2 ~~6.~~ A cathode structure according to claim *4*¹, wherein said crown is located on the outside surface of said second tube.

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3 ~~7.~~ A cathode structure according to claim *6*², including said second metal tube having perforated notches through which said branches extend toward the inside of said second tube.