

Title (en)
CATHODE INSERTER FOR A CRT

Publication
EP 0288335 B1 19921216 (FR)

Application
EP 88400605 A 19880315

Priority
FR 8703922 A 19870320

Abstract (en)
[origin: JPS64629A] PURPOSE: To accurately insert a cathode in a cathode tube electron gun by providing a movable supporting device for moving a gun in the axial direction and a sensor with a rod for moving the gun to the vertical direction of an axis in a backward movable manner. CONSTITUTION: A cathode tube electron gun 2 is supported by a carriage 7 for a movable supporting device 1, and the carriage 7 is moved on a sliding device 8 by a jack 9. A cathode 5 is mounted on the supporting device 4. An almost cylindrical sensor 3 is mounted on a supporting device 12, movable in the vertical direction of an axis 6. At a measurement position, the gun 2, the sensor 3 and a cathode 5 are on the axis 6. The sensor 3 has a casing 15 and a piston 14 which moves in a room formed by a distance measuring device 16 at the other end, to which a measuring rod 13 is fixed in a backward movable manner. In this way, accurate positioning is ensured so that the cathode 5 can be accurately inserted in the gun 2.

IPC 1-7
H01J 9/18

IPC 8 full level
H01J 9/18 (2006.01)

CPC (source: EP US)
H01J 9/18 (2013.01 - EP US); **H01J 2209/185** (2013.01 - EP US)

Designated contracting state (EPC)
DE GB IT NL

DOCDB simple family (publication)
FR 2612690 A1 19880923; FR 2612690 B1 19890526; DE 3876672 D1 19930128; DE 3876672 T2 19930422; EP 0288335 A1 19881026; EP 0288335 B1 19921216; JP S64629 A 19890105; US 4850920 A 19890725

DOCDB simple family (application)
FR 8703922 A 19870320; DE 3876672 T 19880315; EP 88400605 A 19880315; JP 6801888 A 19880322; US 16995288 A 19880318