

**BULB FOR COLOR CATHODE RAY TUBE AND COLOR CATHODE RAY
TUBE AND METHODS FOR PRODUCTION THEREOF**

ABSTRACT OF THE DISCLOSURE:

A bulb for a color cathode ray tube comprising a face plate and a color selection member having a plurality of opening portions, said bulb satisfying the following expressions (1) and (2), wherein X is a nominal diagonal incharge of the bulb, P (unit: mm) is a pitch of the opening portions along an electron beam sweep direction in the central portion of the bulb, GH (unit: mm) is a distance between an inner surface of the face plate and the color selection member in the central portion of the bulb, and LT is a value obtained by dividing a size (unit: mm) of the opening portion along the electron beam sweep direction in the central portion of the bulb by the pitch P (unit: mm).

$$0.0117X - 0.0457 < P < 0.018X - 0.0771 \quad (1)$$

$$2.8 \times 10^{-2} < P \times LT \times GH^{-1/2} < 4.1 \times 10^{-2} \quad (2)$$

Figure 9