

ABSTRACT**COLOR DISCRIMINATION MASK FOR COLOR PICTURE TUBE**

A color discrimination mask formed from a nickel-iron alloy steel sheet made of a nickel-iron alloy containing 34% to 38% by weight of nickel. The nickel-iron alloy has a grain size number of not less than 10. The grain diameter in a cross-section in a direction perpendicular to the rolling direction is not larger than 50 μ m. The average grain diameter in the elongation direction is not larger than 30 μ m. The nickel-iron alloy steel sheet is provided with apertures by etching using a pattern provided on the sheet. The color discrimination mask is free from degradation of display characteristics due to degradation of the aperture configuration and capable of achieving a fine pitch by virtue of its high strength.

Figure 1