

ABSTRACT

LIQUID COATING NOZZLE, LIQUID COATING NOZZLE MANUFACTURING METHOD, LIQUID COATING METHOD, LIQUID COATING APPARATUS, AND CATHODE RAY TUBE MANUFACTURING METHOD

A liquid coating nozzle 4, 4a, 124 is provided with a first block 41 which has an inner liquid reserving section 43 that extends in its longitudinal direction and an inner discharge section comprised of a plurality of small holes 44 formed in the longitudinal direction at a bottom portion of the liquid reserving section 43 and a second block 42 which has an inner space defining a gas reserving section 46 that extends in the longitudinal direction outside the first block 41 and an outer discharge section formed in the longitudinal direction at a bottom portion of the inner space, the outer discharge section being comprised of a plurality of small holes 48 and forming a gas flow that externally surrounds a linear or curtain-shaped liquid flow that flows downward from the small holes 44, resulting in formation of a thin coating film in a short time while suppressing the consumption of the liquid and the generation of the coating nonuniformity.

Fig 1