

Abstract

Since a widely applicable high quality plasma display equipped with a phosphor layer suitable as a highly precise plasma display can be produced continuously at a high productivity level, an industrially advantageous method and apparatus for producing a plasma display can be provided. The highly precise plasma display obtained in the present invention can be widely used in the display field, for example, for wall mounted television sets, information displays, etc.

The method for producing a plasma display of the present invention comprises the step of continuously applying a phosphor paste containing a phosphor powder and an organic compound onto a substrate with a plurality of barrier ribs, from a paste applicator with a plurality of outlet holes. Furthermore, the present invention comprises the steps of coating a substrate with a plurality of barrier ribs, with three phosphor pastes respectively containing a phosphor powder emitting light of red, green or blue, as stripes in the spaces between the respectively adjacent barrier ribs on the substrate, from a paste applicator with outlet holes, and heating to form a phosphor layer.

Moreover, the apparatus for producing a plasma display of the present invention comprises a table for fixing a substrate with a plurality of barrier ribs, a paste applicator with a

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plurality of outlet holes to face the barrier ribs of the substrate, a supply means for supplying a phosphor paste to the paste applicator, and a moving means for three-dimensionally moving the table and the paste applicator relatively each other.

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