

Abstract:

Flat-panel type picture display device with electron propagation ducts.

Flat-panel type picture display device having a luminescent screen and a large number of electron propagation ducts operating by means of electron wall interaction.

Electrons are withdrawn from the ducts by means of an addressing
5 system, whereafter these electrons are directed towards desired locations on the luminescent screen. An apertured spacer plate of electrically insulating material for passing electrons is arranged between the addressing system and the screen. To enable large voltage differences to be applied across the dimension of thickness of the spacer plate, the spacer plate is provided with a high-ohmic layer, or with a pattern of a low-
10 ohmic material, or with an equalization layer at one side and with a low-ohmic layer at the other side, and at least the walls of the apertures are preferably coated with a material having a low secondary emission.

Fig. 3.

This Sheet Has Been Replaced

