

Title (en)

FIELD EMISSION DISPLAY HAVING ADHESIVELY ATTACHED SPACERS AND ATTACHMENT PROCESS

Title (de)

FELDEMISSIONSANZEIGEVORRICHTUNG MIT KLEBSTOFF BEFESTIGTEN ABSTANDSHÄLTERN UND BEFESTIGUNGSVERFAHREN

Title (fr)

ECRAN A EMISSION DE CHAMP AVEC PIECES D'ECARTEMENT FIXEES PAR ADHESION ET PROCESSUS DE FIXATION

Publication

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Application

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Priority

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Abstract (en)

[origin: WO0007212A1] A field emission display (10) includes a plurality of spacers (24) attached to a cathode display plate (14) by an adhesive layer (38). The adhesive layer (38) is preferably an electrically conductive, transition-metal sol-gel adhesive. The sol-gel adhesive is formulated to provide an adhesive film (60) having predetermined surface properties, such that the adhesive film (60) can be spread upon a transfer stage (62). The adhesive film (60) possesses sufficient tackiness, such that vertical members (52) can be brought into contact with the adhesive film (60), whereupon a small amount of adhesive adheres to an attachment surface (58) at the end of the vertical members (52). After applying the adhesive, the vertical members (52) are directly attached to a bonding area (66) on display plate (54) by means of a moveable transfer device (40).

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H01J 29/02; H01J 9/18

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