

Title (en)

FLAT IMAGE SCREEN, PROCESS FOR MANUFACTURING AND USING THE SAME

Publication

EP 0048839 B1 19840222 (DE)

Application

EP 81106915 A 19810903

Priority

DE 3036671 A 19800929

Abstract (en)

[origin: US4451759A] Flat viewing screen having a matrix of selectively addressable picture elements, including two mutually parallel support plates being vacuum-tightly connected to each other and having sides facing each other, at least one separately addressable electrode disposed on each of the sides, a multiplicity of spacers each being assigned to one picture element for spacing said support plates from each other, each spacer including a pin being integral with and protruding from one of the support plates and a hollow cylinder having an inner surface and a bottom and being integral with and protruding from the other of the support plates, each pin being inserted into one hollow cylinder at a space from the inner surface and contacting the bottom of the hollow cylinder, and a method of producing the same.

IPC 1-7

H01J 31/12; H01J 9/26; H01J 63/06; H01J 17/49

IPC 8 full level

H01J 9/26 (2006.01); **H01J 17/49** (2006.01); **H01J 29/82** (2006.01); **H01J 29/87** (2006.01); **H01J 31/12** (2006.01); **H01J 63/06** (2006.01)

CPC (source: EP US)

H01J 9/261 (2013.01 - EP US); **H01J 29/82** (2013.01 - EP US); **H01J 31/127** (2013.01 - EP US); **H01J 2201/308** (2013.01 - EP US); **H01J 2329/8625** (2013.01 - EP US)

Cited by

EP0529392A1; US4471262A; USRE40103E; EP0690472A1; US5760538A; EP0683920A4; EP0886294A3; US5865930A; US5916396A; US5985067A; US6157123A; US6489718B1; US6274972B1

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DOCDB simple family (publication)

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EP 81106915 A 19810903; DE 3036671 A 19800929; DE 3162382 T 19810903; JP 15353481 A 19810928; US 30615881 A 19810928