

Title (en)  
TELEVISION PICTURE TUBES AND HOLE TECHNOLOGY

Publication  
**EP 0039906 A3 19820616 (EN)**

Application  
**EP 81103455 A 19810507**

Priority  
• US 14868280 A 19800512  
• US 14868380 A 19800512

Abstract (en)  
[origin: EP0039906A2] An article and a method of making a line of sight opening in an article wherein the line of sight opening in the article is partially defined by material on one surface of the article and partially defined by material on the opposite surface of the article and an application of the hole technology comprising a television tube (30) having an electron gun and an aperture mask with a plurality of line of sight openings in the aperture mask wherein the line of sight openings (47), in the aperture mask (48), are partially defined by material on the cone side surface of the aperture mask (48) and partially defined by material on the grade side surface of the aperture mask (48) with the aperture mask located in the television tube with the cone side of the aperture mask facing the electron guns.

IPC 1-7  
**H01J 29/07**; **H01J 9/14**

IPC 8 full level  
**C23F 1/00** (2006.01); **H01J 9/14** (2006.01); **H01J 29/07** (2006.01)

CPC (source: EP)  
**H01J 9/142** (2013.01); **H01J 29/076** (2013.01)

Citation (search report)  
• [X] GB 2020892 A 19791121 - RCA CORP  
• [A] US 4069085 A 19780117 - BUYSMAN PETRUS JOHANNES, et al  
• [A] US 4168450 A 19790918 - YAMAUCHI MASAOKI, et al  
• [A] US 3973965 A 19760810 - SUZUKI TAKESHI, et al  
• [E] GB 2067827 A 19810730 - RCA CORP

Cited by  
EP0715331A3

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)  
**EP 0039906 A2 19811118**; **EP 0039906 A3 19820616**; **EP 0039906 B1 19860917**; AR 223591 A1 19810831; BR 8102909 A 19820202; CA 1175876 A 19841009; DE 3175329 D1 19861023; JP H069043 U 19940204; JP H0713158 Y2 19950329

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**EP 81103455 A 19810507**; AR 28520981 A 19810505; BR 8102909 A 19810511; CA 376484 A 19810429; DE 3175329 T 19810507; JP 1163792 U 19920309