

Title (en)

RARE GAS COLD CATHODE DISCHARGE TUBE AND IMAGE INPUT UNIT USING SAME

Publication

**EP 0342607 A3 19910403 (EN)**

Application

**EP 89108780 A 19890516**

Priority

- JP 6502989 A 19890317
- JP 11870488 A 19880516

Abstract (en)

[origin: EP0342607A2] A rare gas cold cathode discharge tube (1) is provided with a conductive member (15) nearby a main electrode (13-a), allowing to stabilize the quantity of emitted light even when an intermittent lighting with a period of several milliseconds is carried out. The use of such rare gas cold cathode discharge tube as lighting apparatus allows an image input unit to be realized which is moderate in cost and less space-consuming, still ensuring a color correction function to enhance the color reproducibility of a printing output of the read image and a light adjusting function of the lighting apparatus to enhance the S/N ratio of the read image.

IPC 1-7

**H01J 61/54; H01J 61/56**

IPC 8 full level

**H01J 61/54** (2006.01); **H01J 61/56** (2006.01); **H04N 1/04** (2006.01)

CPC (source: EP)

**H01J 61/544** (2013.01); **H01J 61/56** (2013.01)

Citation (search report)

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- [YP] EP 0165550 A2 19851227 - SHARP KK [JP]
- [A] PATENT ABSTRACTS OF JAPAN, vol. 1, no. 105 (M-77), 16th September 1977; & JP-A-52 044 081 (HITACHI) (06-04-1977)
- [XP] PATENT ABSTRACTS OF JAPAN, vol. 13, no. 280, (E-779)[3628] 27th June 1989; & JP-A-1 067 858 (SEIKO EPSON) (14-03-1989)

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CN103177930A

Designated contracting state (EPC)

DE FR GB

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**EP 0342607 A2 19891123; EP 0342607 A3 19910403; EP 0342607 B1 19950802**; DE 68923651 D1 19950907; DE 68923651 T2 19960222; HK 5297 A 19970117; JP H0249345 A 19900219

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