

Title (en)
ILLUMINATION SOURCE FOR LINE SCANNING OF A DOCUMENT

Publication
EP 0031556 B1 19830629 (FR)

Application
EP 80108040 A 19801219

Priority
FR 7931746 A 19791227

Abstract (en)
[origin: EP0031556A1] 1. A light source for scanning a document line-by-line, constituted by a flash tube presenting an inner channel, the ends of which are connected respectively to two gas storage chambers in which are disposed two operating electrodes respectively of the tube, said tube being equipped on the outside with a priming electrode disposed between the two operating electrodes, characterized in that said inner channel is a capillary channel (10) over the useful length of said tube (1) destined to face the document, and that, over the useful length, said tube is a thick-walled tube, the section of which is, for a portion (16) facing the document, substantially formed as a V with a rounded angle in order to form a magnifying glass built into the wall of the tube.

IPC 1-7
H01J 61/33; H01J 61/80

IPC 8 full level
H01J 61/80 (2006.01)

CPC (source: EP)
H01J 61/80 (2013.01)

Citation (examination)
• FR 2139860 A1 19730112 - MULTIBLITZ MANNESMANN GMBH CO
• FR 2050868 A5 19710402 - MEYER YVES
• US 2284046 A 19420526 - DOANE LEROY C
• FR 2150908 A1 19730413 - PHILIPS NV, et al

Cited by
EP0325157A1

Designated contracting state (EPC)
BE DE GB IT LU NL

DOCDB simple family (publication)
EP 0031556 A1 19810708; EP 0031556 B1 19830629; CA 1162969 A 19840228; DE 3063996 D1 19830804; FR 2472833 A1 19810703; FR 2472833 B1 19820903; IE 50763 B1 19860709; IE 802724 L 19810627

DOCDB simple family (application)
EP 80108040 A 19801219; CA 367521 A 19801224; DE 3063996 T 19801219; FR 7931746 A 19791227; IE 272480 A 19801223