

Title (en)
IR-RADIATION SOURCE AND METHOD FOR PRODUCING SAME

Publication
EP 0316189 A3 19900822 (EN)

Application
EP 88310636 A 19881111

Priority
IL 8446387 A 19871112

Abstract (en)
[origin: EP0316189A2] A source (2) of IR-radiation comprises an enclosure (4) defining between its walls a sealed-off, electrode-less chamber (6), the walls having at least one portion transparent to IR-radiation, and the chamber (6) containing a gas mixture consisting of at least one, molecular, IR-active gas, at least one buffer gas, and at least one noble gas. A method for producing the IR-radiation source (2) is also described.

IPC 1-7
H01J 65/04; H01J 61/14

IPC 8 full level
H01J 9/38 (2006.01); **H01J 9/24** (2006.01); **H01J 9/395** (2006.01); **H01J 61/12** (2006.01); **H01J 61/14** (2006.01); **H01J 61/30** (2006.01); **H01J 61/35** (2006.01); **H01J 65/00** (2006.01); **H01J 65/04** (2006.01)

CPC (source: EP)
H01J 9/247 (2013.01); **H01J 61/12** (2013.01); **H01J 61/14** (2013.01); **H01J 61/30** (2013.01); **H01J 61/35** (2013.01); **H01J 65/042** (2013.01)

Citation (search report)

- [AP] DE 3617110 A1 19871126 - LEYBOLD HERAEUS GMBH & CO KG [DE]
- [A] JOURNAL OF THE OPTICAL SOCIETY OF AMERICA. vol. 57, no. 11, November 1967, NEW YORK US pages 1373 - 1375; T. K. McCUBBIN et al.: "Infrared Emission of CO₂-N₂ and CO₂-N₂-He Plasmas"
- [A] SPECTROCHIMICA ACTA. vol. 29B, 1974, OXFORD GB pages 1 - 18; J. P. S. HAARSMA et al.: "The preparation and operation of electrodeless discharge lamps - A critical review"

Cited by
EP0405816A3; EP0422816A3; EP1267389A1; EP0416839A3; GB2257562A; FR2680601A1; US5327049A; GB2257562B; US6731070B2

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

DOCDB simple family (publication)
EP 0316189 A2 19890517; EP 0316189 A3 19900822; EP 0316189 B1 19950118; AT E117462 T1 19950215; CA 1312114 C 19921229; DE 3852813 D1 19950302; DE 3852813 T2 19950831; IL 84463 A0 19880429; IL 84463 A 19920621; JP H01161661 A 19890626

DOCDB simple family (application)
EP 88310636 A 19881111; AT 88310636 T 19881111; CA 582820 A 19881110; DE 3852813 T 19881111; IL 8446387 A 19871112; JP 28661988 A 19881111