

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)

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- [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 CO<sub>2</sub>-N<sub>2</sub> and CO<sub>2</sub>-N<sub>2</sub>-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"

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