

Title (en)

LOW PRESSURE MERCURY VAPOR DISCHARGE LAMP UNIT.

Title (de)

NIEDERDRUCKQUECKSILBER-DAMPFENTLADUNGSLAMPE.

Title (fr)

UNITE DE LAMPE A DECHARGE A VAPEUR DE MERCURE A FAIBLE PRESSION.

Publication

EP 0079969 A4 19841107 (EN)

Application

EP 82901620 A 19820528

Priority

- JP 8144181 A 19810528
- JP 11036981 A 19810715

Abstract (en)

[origin: WO8204373A1] Low pressure mercury vapor discharge lamp unit which is constructed to employ a high frequency inverter, have a quiescent time T_0 in the range of 0.5×10^{-6} to 10×10^{-6} , generate a rectangular high frequency AC voltage having a frequency of more than 1kHz, and supply a high frequency voltage to a low pressure vapor discharge lamp sealed with mercury and a rare gas selected so that the ratio X/Y of the molar number Y of the mercury vapor to the molar number X of the rare gas is in the range of 0.5×10^{-2} to 1.0×10^{-4} . The moving moire of the lamp is suppressed so as to be reduced or eliminated, thereby largely improving the resonant radiation energy efficiency of the mercury.

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Cited by

EP0435231A1; EP0729694A4; EP1304721A1; GB2134701A; AT383245B

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