

Title (en)
Discharge tube.

Title (de)
Entladungsröhre.

Title (fr)
Tube à décharge.

Publication
EP 0381004 A1 19900808 (EN)

Application
EP 90101235 A 19900122

Priority
JP 1777389 A 19890130

Abstract (en)
A discharge tube which has a stabilized discharge voltage characteristic irrespective of a change of the frequency of discharge. The discharge tube comprises a hollow tubular casing (8), and cathode (11) and anode (12) electrodes secured to the axial opposite ends of the tubular casing to define an enclosed hollow spacing in which inert gas is filled such that a discharge can be started by application of a pulse voltage between the electrodes. Each of the electrodes includes an electrode base secured to the tubular casing and an electrode member (1, 4) securely mounted on the electrode base (2) in the hollow spacing. The electrode member at least of the cathode electrode is composed of a layered metal body including a ground layer and a thin surface layer formed on one or each of the opposite faces of the ground layer and having a considerably smaller thickness of 5 to 20 μm than the ground layer.

IPC 1-7
F02P 15/00; H01J 17/02

IPC 8 full level
F02P 13/00 (2006.01); **H01J 17/04** (2012.01); **H01T 1/00** (2006.01); **H01T 1/24** (2006.01)

CPC (source: EP)
H01J 17/04 (2013.01); **H01T 1/00** (2013.01)

Citation (search report)

- US 3612937 A 19711012 - SMIRNOV SERGEI ALEXANDROVICH, et al
- Soviet Inventions Illustrated, section E1, week D 29, August 26, 1981, Derwent Publications Ltd., London, X 12; & SU,A,765918 (KHROMOI).

Cited by
US6529361B1; WO9914782A3

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0381004 A1 19900808; EP 0381004 B1 19940720; CA 2007758 A1 19900730; DE 69010706 D1 19940825; DE 69010706 T2 19941027; JP H02230679 A 19900913

DOCDB simple family (application)
EP 90101235 A 19900122; CA 2007758 A 19900115; DE 69010706 T 19900122; JP 1777389 A 19890130