

Title (en)
STARTING AID FOR FLUORESCENT LAMPS

Title (de)
ZÜNDHILFE FÜR LEUCHTSTOFFLAMPEN

Title (fr)
AUXILIAIRE DE DEMARRAGE POUR LAMPES A FLUORESCENCE

Publication
EP 1293111 A1 20030319 (EN)

Application
EP 00932322 A 20000511

Priority
US 0012978 W 20000511

Abstract (en)
[origin: WO0187019A1] A starting aid in combination with a fluorescent lamp is provided. The lamp comprises a glass discharge tube (2) which includes a discharge path and is convoluted to have a plurality of discharge tube legs. These legs extend into and are secured in place in a plastic housing. Lamp electrodes (40, 42) are located at respective end points of a discharge path and disposed in some of the discharge tube legs. The lamp electrodes are connected to means suitable for electrically connecting to a socket. The starting aid comprises an electrical connector disposed in the plastic housing of the florescent lamp. The starting aid has a first end and a second end. The first end is connected to the means suitable for electrically connecting to the socket. The second end is secured to an end portion of an electrodeless discharge tube leg. At least a part of the electrical connector is formed as a spring. A fluorescent lamp system with a starting aid is also provided. The lamp system comprises a ballast unit which controls electrical power received from an external power source. The electrodes (40, 42) of a sealed lamp unit are connected electrically to the ballast unit and disposed in adjacent tube legs of the sealed lamp unit. A first electrical connector (36) is connected with one end to the first lamp electrode (40). Its other end is secured at least to one of the tube legs located along the discharge path consecutively next to the tube leg in which the second electrode (42) is disposed. A second electrical connector (38) with one end is connected to the second lamp electrode (42). Its other end is secured at least to one of the tube legs located along the discharge path consecutively next to the tube leg in which the first electrode is disposed.

IPC 1-7
H05B 41/04; H01J 61/56; H01J 61/32

IPC 8 full level
H01J 61/54 (2006.01); **H05B 41/04** (2006.01)

CPC (source: EP)
H01J 61/547 (2013.01); **H05B 41/04** (2013.01)

Citation (search report)
See references of WO 0187019A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
WO 0187019 A1 20011115; DE 60039541 D1 20080828; EP 1293111 A1 20030319; EP 1293111 B1 20080716

DOCDB simple family (application)
US 0012978 W 20000511; DE 60039541 T 20000511; EP 00932322 A 20000511