

Title (en)

IGNITER-LESS POWER SUPPLY FOR XENON LAMPS IN AN ACCELERATED WEATHERING TEST APPARATUS

Title (de)

ZÜNDUNGSFREIE STROMVERSORGUNG FÜR XENONLAMPEN IN EINER BESCHLEUNIGTEN WETTERTESTVORRICHTUNG

Title (fr)

ALIMENTATION ÉLECTRIQUE SANS ALLUMEUR POUR LAMPES AU XÉNON DANS UN APPAREIL DE TEST DE VIEILLISSEMENT ACCÉLÉRÉ

Publication

EP 3016480 A2 20160504 (EN)

Application

EP 15188134 A 20151002

Priority

US 201414505118 A 20141002

Abstract (en)

A power supply for use in an accelerated weathering test apparatus can ignite the lamp without using a separate igniter and control both the xenon lamp radiated spectrum and its intensity in order to fully simulate the sun's daily cycle, improve the ultraviolet output, reduce the infrared radiation, and compensate for the xenon lamp aging.

IPC 8 full level

H01J 61/84 (2006.01); **H05B 41/288** (2006.01); **H05B 41/38** (2006.01)

CPC (source: EP)

H01J 61/16 (2013.01); **H01J 61/547** (2013.01); **H01J 61/86** (2013.01); **H05B 41/2881** (2013.01); **H05B 41/2883** (2013.01); **H05B 41/2887** (2013.01); **H05B 41/382** (2013.01)

Citation (applicant)

- US 4957011 A 19900918 - HUBER JAMES V [US], et al
- US 5226318 A 19930713 - HUBER JAMES V [US], et al
- US 5503032 A 19960402 - TIKHTMAN JACOB [US], et al

Cited by

CN110057746A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3016480 A2 20160504; **EP 3016480 A3 20160706**; CA 2907169 A1 20160402; CN 105491771 A 20160413; JP 2016075679 A 20160512

DOCDB simple family (application)

EP 15188134 A 20151002; CA 2907169 A 20151002; CN 201510869722 A 20151008; JP 2015197029 A 20151002