

Title (en)

ELECTRODELESS DISCHARGE LAMP INCLUDING IMPEDANCE MATCHING AND FILTER NETWORK

Title (de)

ELEKTRODENLOSE ENTLADUNGSLAMPE MIT FILTER UND IMPEDANZANPASSUNGSSCHALTUNG

Title (fr)

LAMPE A DECHARGE SANS ELECTRODES COMPORTANT UN RESEAU D'ADAPTATION D'IMPEDANCE ET DE FILTRAGE

Publication

**EP 0641510 B1 19990303 (EN)**

Application

**EP 93911322 A 19930520**

Priority

- US 9304607 W 19930520
- US 88716692 A 19920520
- US 6477993 A 19930519

Abstract (en)

[origin: WO9323975A1] An impedance matching and filter network (13) is disclosed. The network (13) performs two preselected impedance transformations and provides a filtering function to attenuate harmonics of an electrical signal delivered at an input of the network. The network (13) may advantageously be structured in the form of balanced dual filters which are referenced to a virtual ground between them, the virtual ground being connected to a shield which surrounds the electric components. The network (13) is particularly suitable for use with electrodeless discharge lamps (15) to provide an impedance matching function for the induction coil (14) and to limit RFI.

IPC 1-7

**H05B 41/24**

IPC 8 full level

**H05B 41/24** (2006.01)

CPC (source: EP)

**H05B 41/24** (2013.01)

Citation (examination)

- EP 0221864 A2 19870513 - LUMALAMPAN AB [SE]
- US 5200672 A 19930406 - SHEYNBERG IOSIF [US], et al
- WO 9310649 A1 19930527 - GTE PROD CORP [US]

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