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Applicants: EXCIL ELECTRONICS LTD

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(56) Documents Cited
GB 2332993 A EP 0766499 A1 JP 060168792 A
US 5828187 A

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 UK CL (Edition Q) **H2H HLD61 HLD631 HLD639 HLD69**
 INT CL⁶ **H05B 41/00 41/02 41/14 41/24 41/26 41/28**
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(54) Abstract Title
Fluorescent lamp driver unit

(57) A fluorescent lamp driver unit comprises an inductive and capacitive output stage 106 which is driven by a micro-controller 320 that controls the frequency of the signals applied to the output stage. The micro-controller uses a counter and a stable high frequency oscillator 324 to produce a very stable frequency signal for application to the output stage which results in closely controlled lamp operating parameters. Precise control of the operating frequency significantly improves the life of the lamp, operating conditions and produces a consistent output intensity and colour. The driver unit also allows the flexibility to change the lamp drive parameters.

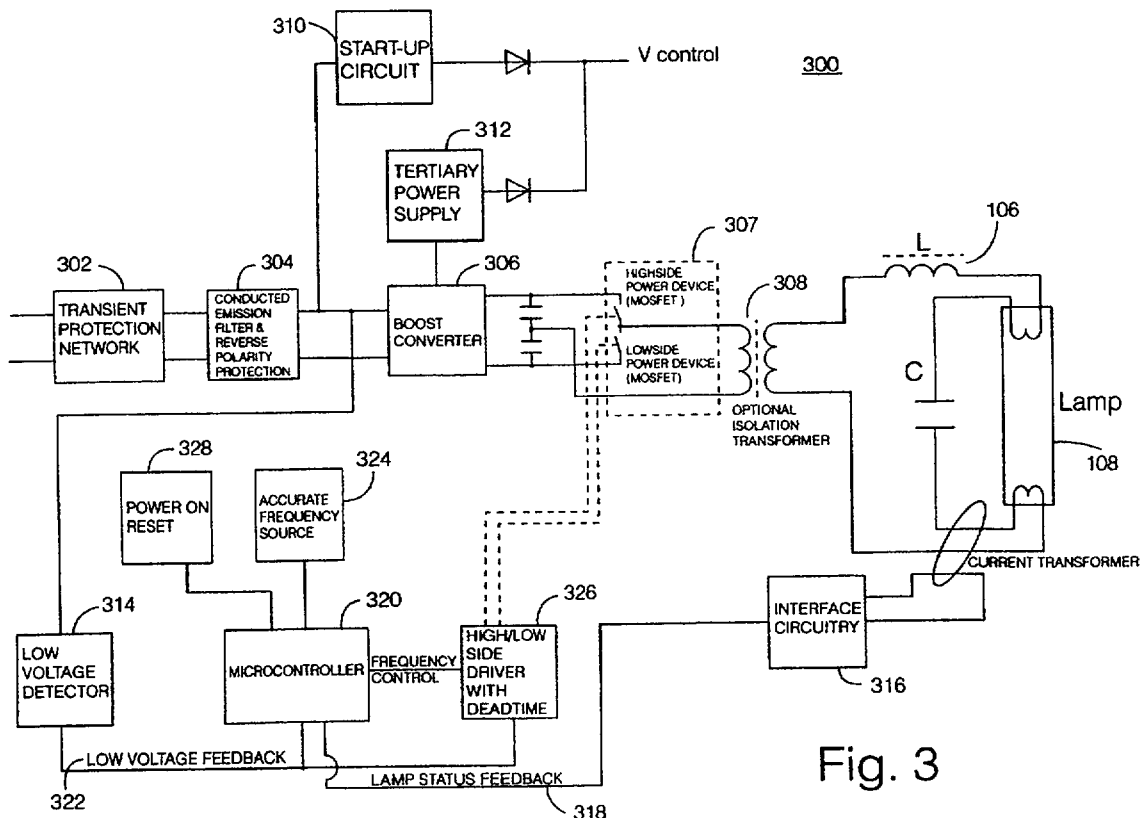


Fig. 3

(12) **UK Patent Application** (19) **GB** (11) **2 235 982 A** (13)
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(54) **Earth continuity checking system**

(57) In an earth continuity checking system of a mains power supply, a transmitter (4) located at the fuse box or point of known good earth injects signals onto the earth and neutral wires (3, 2) or earth and live wires (3, 1) and receivers (5) are situated at points where earth continuity is to be checked. The receivers can be fixed or mobile installations and can be used to continuously monitor the earth line and to disconnect live and neutral via an isolator (6) in the event of loss of earth continuity. Loss of neutral continuity and short circuit neutral to earth are also checked with this system.

FIG 1

