

ABSTRACT

15 **FLUORESCENT LAMP BALLAST COMBINED WITH ELECTRONIC STARTER AND
RESONANT CAPACITOR FOR REDUCING INPUT CURRENT**

20 The invention constitute a primary coil which will control the input current,
connected directly to the powerline terminal, L_1 , a secondary coil connected in
series with the primary coil that will help in raising the inductances for the creation
of the high voltage across the capacitor, C_1 , a secondary circuit with the capacitor,
25 C_1 , for the charging and discharging of current and a Quadrac for the switching
on and off during the charging and discharging of capacitor are connected in series
with the secondary coil, in between the primary coil and secondary coil is a
distribution line, DL_1 , connected to the filament, F_1 , the other end of the
secondary circuit is directly connected to the powerline terminal, L_2 , and the
distribution line, DL_2 , to the filament, F_2 , of the fluorescent lamp, a tertiary circuit
30 consist only of capacitor that will reduce the input current and saves electricity
is connected in parallel to the powerline terminals, L_1 and L_2 .

(Figs. 1a, 1b and 2)

This Sheet Has Been Replaced

