

ABSTRACT OF THE DISCLOSURE

**INORGANIC ELECTROLUMINESCENT DEVICE WITH CONTROLLED HOLE
AND ELECTRON INJECTION**

An electroluminescent device 10 using an inorganic phosphor 12 configured to produce electroluminescence from the recombination of injected holes and injected electrons is disclosed. A controllable hole injection structure 14 in contact with the inorganic phosphor 12 controls a rate of hole injection into the inorganic phosphor 12. A controllable electron injection structure 16 in contact with the inorganic phosphor 12 and separated from the controllable hole injection structure 14 controls a rate of electron injection into the inorganic phosphor 12.

(FIG. 1)