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(54) **LED ILLUMINATION APPARATUS**

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(58) **Field of Classification Search**

None

See application file for complete search history.

(56) **References Cited**

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(57) **ABSTRACT**

An LED illumination apparatus includes a first lighting module, a second lighting module, a lamp cup, a heat pipe, and a plurality of heat dissipation fins. The first and second lighting modules are connected with each other and emit light in opposite directions, in addition being received by the lamp cup. The lamp cup includes two reflecting surfaces arranged in symmetrical mirror fashion. The light emitting from the first and second lighting modules are directed to respective reflecting surfaces and reflected toward a same direction by the reflecting surfaces. The heat pipe is disposed in between the first and second lighting modules. The heat dissipation fins are fitted over the heat pipe. The heat generated by lighting modules would transmit to the heat pipe and be guided to the heat dissipation fins in order to accelerate cooling.

14 Claims, 4 Drawing Sheets

