

ABSTRACT

A rotorcraft, such a helicopter or a tiltrotor aircraft, includes a light emitting device (400) configured to provide light at a tip (135) of a rotor blade. The light emitting device includes a light emitting diode arranged on the rotor blade and a power source, wherein the power source is configured to power the light emitting diode due to a movement of the rotor blade. The power source may include a piezo-electric material configured to create a voltage due to movements of the rotor blade or an electrical generator including a stationary magnet assembly and a moveable coil assembly arranged on a shaft that rotates the rotor blade.

