

SYSTEMS AND METHODS FOR FLASH DETECTION

ABSTRACT

A flash detection device comprises at least a first and a second sensor module,
5 wherein each of the sensor modules comprises at least a photodiode for detecting an
irradiance emitted by a source, and the first sensor module comprises at least an angular
efficiency attenuator configured for attenuating the irradiance received by the
photodiode according to a predetermined angular efficiency profile, wherein the at least
first and second sensor modules are configured for collecting light from substantially
10 the same field of view, and the angular efficiency attenuator of the first sensor module
causes the first and second sensor modules to have complementary predetermined
angular efficiency profiles, so that, for angles of view within a common field of view of
the first and second sensor modules, a combination of irradiance measurements of the
first and second sensor modules enables to derive an irradiance source angle of the
15 source.

FIG. 2