



Prominent Patented Technology For Your Portfolio

Adaptive Lighting & Autonomous Driving

Good**IP**

CHARACTERISTIC AND/OR USE-BASED ELECTROMAGNETIC RADIATION GENERATION

i Exemplary Claim

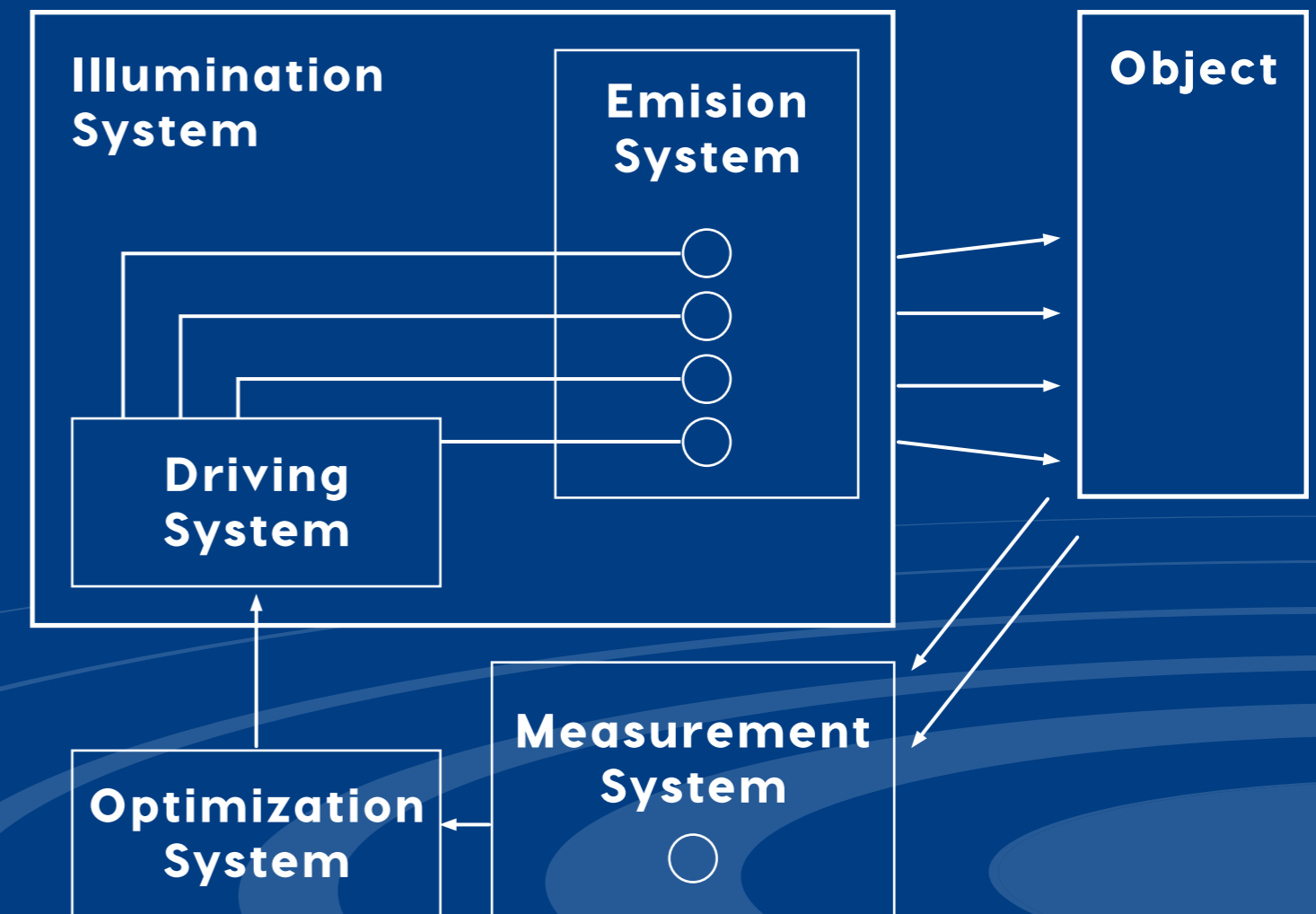
1. A method of generating electromagnetic radiation, the method comprising:

continually generating electromagnetic radiation to illuminate an object, the electromagnetic radiation initially having a set of default attributes; and

repeatedly adjusting at least one attribute of the electromagnetic radiation based on a characteristic of the object, the adjusting including:

determining a set of desired attributes of the electromagnetic radiation based on the characteristic and an efficacy of the electromagnetic radiation to provide at least one of: a high resolution or a high contrast for an object having the characteristic; and

adjusting at least one attribute of the electromagnetic radiation emitted from an emitting element based on the set of desired attributes.



Simplified drawing of Figure 1

CHARACTERISTIC AND/OR USE-BASED ELECTROMAGNETIC RADIATION GENERATION

★ Highlights

“(The) illumination system ... could generate light for automobile headlights, which could **automatically switch from high to low beam and/or change a color temperature of the emitted light when measurement system ... detects light emitted from oncoming traffic** ...

Further, (the) system ... could be used to implement a radar having a variable spectral power distribution, a compact range radar, a phase array radar, etc. To this extent, ... **a radar detecting an incoming target could switch to generate electromagnetic radiation** ... having a shorter wavelength as the target approached, thereby improving the resolution of a target image.” (US7321109, column 6, line 6)

Patent Number

US7321109

Priority Date

April 23, 2003

Date of Patent

January 22, 2008

Estimated Expiration Date

April 23, 2024

Patent Family Members

US7235766

Exemplary Applications

Automobile headlights,
autonomous driving, mobile
phones, medical applications,
street lighting

DISCLAIMERS

To the extent that this presentation refers to any patent, product or company, it does not place any company on notice and does not imply infringement of any patent regarding any product or company.

This presentation does not constitute investment, financial, legal, accounting, tax or any other advice. No representation or warranty, express or implied, as to the accuracy or completeness of the information contained herein is made.

We may reject any bid and withdraw any or all patents for sale at any time.

Contact Details

Dr. Bastian July
Phone: +49 89 3078 1244
Email: bastian.july@goodip.io

GoodIP GmbH

Severinstr. 3a
81541 Munich
Germany

GoodIP GmbH managing director: Dr. Bastian July
Registered office: Munich commercial registry HRB
234688

About us

GoodIP is a recommendation platform for the acquisition of innovative technologies based on the combination of a matching algorithm with the swarm intelligence of experts. GoodIP relies on data instead of coincidence to match companies with innovative technologies. This unique model makes GoodIP an efficient platform for companies to connect with the next big breakthrough.

www.goodip.io