

Title (en)
SIGNAL GENERATOR, SYSTEM AND METHOD FOR HIGHLIGHTING OBJECTS IN ROAD TRAFFIC, USE OF THE SYSTEM, AND USE OF THE SIGNAL GENERATOR

Title (de)
SIGNALGEBER, SYSTEM UND VERFAHREN ZUR HERVORHEBUNG VON OBJEKTEN IM STRAßENVERKEHR SOWIE VERWENDUNG DES SYSTEMS UND VERWENDUNG DES SIGNALGEBERS

Title (fr)
TRANSMETTEUR DE SIGNAL, SYSTÈME ET PROCÉDÉ DE MISE EN ÉVIDENCE D'OBJETS DANS LE TRAFIC ROUTIER, UTILISATION DU SYSTÈME ET UTILISATION DU TRANSMETTEUR DE SIGNAL

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Abstract (en)
[origin: WO2013113421A1] The invention relates to a signal generator (20, 23, 35) for highlighting objects (1, 7) in road traffic, comprising a marking means (21, 24, 26) and a carrier material (22, 24, 26), wherein the marking means (21, 24, 26) is arranged on the carrier material (22, 24, 26) in such a manner that said marking means covers one surface side of the carrier material (22, 24, 26) and/or is added to a substance of the carrier material (22, 24, 26) and wherein the signal generator (20, 23, 25) reflects incident electromagnetic radiation of at least one predeterminable wavelength band by means of the marking means (21, 24, 26). The signal generator (20, 23, 25) is characterised in that a spectral width and a spectral position of the at least one predeterminable wavelength band are distinguished by a size and/or a size distribution and/or a shape of nanoparticles contained in the marking means (21, 24, 26) and/or by a surface nanostructuring of the marking means (21, 24, 26), wherein the spectral position of the at least one predeterminable wavelength band is located in an infrared spectral range. The invention further relates to a corresponding system, to a corresponding method, to the use of the signal generator, and to the use of the system.

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