Title (en)

WIDE-BAND EMITTER FOR ELECTROMAGNETIC RADIATION

Title (de)

BREITBAND-EMITTER FÜR ELEKTROMAGNETISCHE STRAHLUNG

Title (fr)

ÉMETTEUR LARGE BANDE POUR RAYONNEMENT ÉLECTROMAGNÉTIQUE

Publication

EP 3843611 A1 20210707 (DE)

Application

EP 19769716 A 20190827

Priority

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Abstract (en)

[origin: WO2020043709A1] The invention relates to an emitter (10) for electromagnetic radiation, comprising: a primary emitter (11) in order to emit primary radiation; a secondary emitter (A) in order to emit a secondary radiation in response to an excitation by the primary radiation; and a tertiary emitter (C) in order to emit a tertiary radiation in response to an excitation with the secondary radiation, the primary, secondary and/or tertiary radiation having wavelengths that are at least partially different from one another in order to create a wide-band spectrum. The present invention also relates to a spectroscope, a hyperspectral camera and an endoscope having such an emitter (10), and to a method for generating electromagnetic radiation.

IPC 8 full level

A61B 1/06 (2006.01); **C09K 11/08** (2006.01); **C09K 11/77** (2006.01); **G01J 3/10** (2006.01); **H01L 33/50** (2010.01)

CPC (source: EP US)

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Citation (search report)

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