Tohoku Univ. Technology

Evaluation method for optical properties

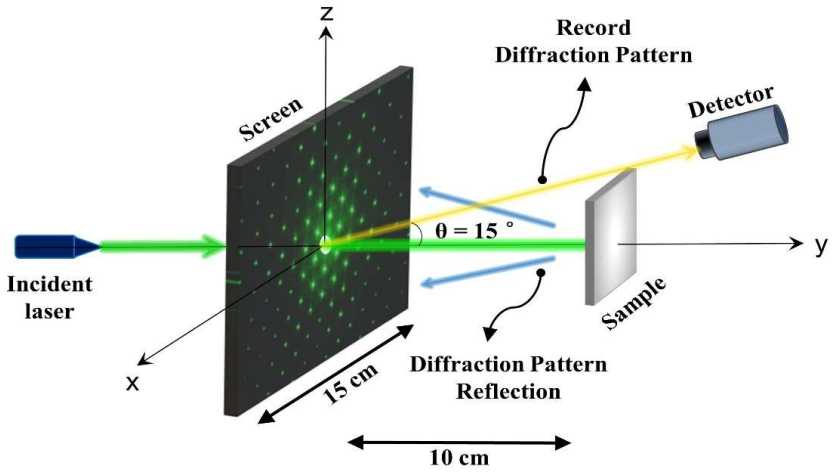
Possible to check the quality of metamaterials inexpensively, quickly, and accurately.

Overview

When mass-producing products containing metamaterials, a new method for sorting out good or bad metamaterials is desired because the current conventional technology can not provide an efficient and low-cost detection methods for its large areas.

The present invention provides an evaluation method for checking the quality of metamaterials that is less expensive than conventional techniques and reduces the time required for evaluation, thus ultimately reducing costs.

Features・Outstandings



Product Application

- Quality check of metamaterial products

Related Works

[1] Z. Liu, M. Shimizu and H. Yugami, “Quantitative evaluation of optical properties for defective 2D metamaterials based on diffraction imaging”, Opt. Express, 28(4), p. 5812 (2020).
DOI: 10.1364/OE.385100

IP Data

IP No. : 2019-205627
Inventor : SHIMIZU Makoto , et al.
Admin No. : T19-441

Contact

Tohoku Techno Arch Co., Ltd.
Please visit CONTACT here