

**Information on Search Strategy - Pilot phase (see OJ 2015, A86)**

The type of information contained in this sheet may change during the pilot for improving the usefulness of this new service.

Application Number

PCT/US2018/053237

TITLE: PATH RESOLVED OPTICAL SAMPLING ARCHITECTURES

APPLICANT: MASSETA TECHNOLOGIES LLC

IPC CLASSIFICATION: G01N21/49

EXAMINER: Flentje, Farida

CONSULTED DATABASES: EPODOC, NPL

CLASSIFICATION SYMBOLS DEFINING EXTENT OF THE SEARCH:

IPC:

CPC: G01N21/47, G01N21/49, G01N21/4795, G01N2021/4711, G01N2201/066, G01J3/02

FI/F-TERMS:

KEYWORDS OR OTHER ELEMENTS FEATURING THE INVENTION:

A system for inspecting a sample, comprising at least one light source, a detector, a launch region (optics) configured to allow the light beam emitted from the at least one light source to exit the system, such that the light beam interacts with a sample, a detection region (optics) configured to allow the light beam scattered from the sample to enter the system, such that the scattered light beam is detected by the detector, and a logic unit configured to determine a sample property.

The detector may comprise a plurality of light sensing units for detecting light scattered from different depths of the sample or at different angles. The system may further comprise a multiplexer and a phase control unit.