

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/IB2018/056389

TITLE: METHODS AND APPARATUS FOR THREE-DIMENSIONAL FABRICATION BY TOMOGRAPHIC BACK PROJECTIONS

APPLICANT: ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL)

IPC CLASSIFICATION: B33Y50/00, B29C64/386, B29C64/10, H04N1/40

EXAMINER: Visser, Michelle L.

CONSULTED DATABASES: NPL, WPI, ANSERA, EPODOC, GOOGLE

CLASSIFICATION SYMBOLS DEFINING EXTENT OF THE SEARCH:

IPC:

CPC: B33Y50/00/LOW, B29C64/386/LOW, B29C64/10, B33Y10/00, B29C64/00, B33Y30/00, B29C64/264/LOW, B29C64/20, H04N1/40

FI/F-TERMS:

KEYWORDS OR OTHER ELEMENTS FEATURING THE INVENTION:

Method and system for producing a 3d object using tomography style back-projections. By defining sequences of back-projections describing the object to be formed at different angles, and irradiating the photo-responsive material with light patterns using these back-projections, a 3d object can be built without using traditional step-wise mechanical actuation of the build region or requiring slow layer-by-layer operation which may degrade mechanical properties of the final object.