

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/GB2019/053257

TITLE: FABRICATION OF CORRELATED ELECTRON MATERIAL (CEM) DEVICES

APPLICANT: ARM LIMITED

IPC CLASSIFICATION: H01L27/24, H01L45/00

EXAMINER: Gröger, Andreas

CONSULTED DATABASES:

CLASSIFICATION SYMBOLS DEFINING EXTENT OF THE SEARCH:

IPC:

CPC: H01L27/2463, H01L45/04, H01L45/1233, H01L45/146, H01L45/16, H01L45/1675

FI/F-TERMS:

KEYWORDS OR OTHER ELEMENTS FEATURING THE INVENTION:

Manufacturing method for a correlated electron material (CEM) resistive random access memory (RRAM). Comprises firstly opening a via only to an etch stop layer, then continuation of etching for contacting the RRAM bit cell. Method is found suitable to obtain desired device characteristics.