

Brevete

(from Derwent Innovation Index)

1. RO134267-A0

Method of dielectric dynamic characterization of ferroelectric structures, in relation to reversal of polarization, involves determining equivalent R_p and C_p values by analyzing, current resulting from application of voltage pulse

Assignee: INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICA MATERIALELOR

Inventor(s): BONI A G; CHIRILA C F; PINTILIE L.

Derwent Primary Accession Number: 2020-60587B

2. RO134068-A0

Method for detecting non-destructive reading of ferroelectric memories, involves in phase or anti-phase statuses that are highlighted by lock-in amplifier for allowing identification of polarization state of ferroelectric memory bit

Assignee: INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICA MATERIALELOR

Inventor(s): IUGA A R; BONI A; PINTILIE L.

Derwent Primary Accession Number: 2020-36416H

3. RO133687-A0

Infrared detector has silicon wafer and layer of strontium ruthenate which generate contact electromotive force, with function of moving electric charges generated by photovoltaic effect in electric pulse, and act as electrodes

Assignee: INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICA MATERIALELOR

Inventor(s): IUGA A R; CHIRILA F C; PINTILIE L; et al.

Derwent Primary Accession Number: 2019-93514P

4. RO133685-A0

Method for manufacturing electrode for pyroelectric device, involves spraying commercial carbon-based paste diluted carbon-based solution on heated substrate by carrier gas using aerograph, and thermally treating electrodes

Assignee: INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICA MATERIALELOR

Inventor(s): CHIRILA F C, BONI A, IUGA A R, DUMITRU V G, BOTEAN I, GALCA A, PINTILIE I, PINTILIE L

Derwent Primary Accession Number: 2019-93514R

5. RO133234-A0

Logic circuit has ferroelectric layer which is made of lead zirconate titanate, and insulating layer which is formed of strontium titanate or barium titanate, while all layers are deposited by pulsed beam laser ablation

Assignee: INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICA MATERIALELOR

Inventor(s): BONI G A, CHIRILA C, HRIB L, DUMITRU V, PINTILIE I, PINTILIE L

Derwent Primary Accession Number: 2019-45985F

6. RO132815-A0; RO132815-A3; RO132815-B1

Mesoporous layer used e.g. in medical application, is prepared by cleaning substrate, preparing precursor solution from slurry containing titanium dioxide nanoparticles, and depositing film by spraying precursor solution on substrate

Assignee: INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICA MATERIALELOR

Inventor(s): PINTILIE I, TOMULESCU A G, LEONAT L N, STANCU V, BESLEAGA S C, TOMA V, DUMITRU V G, PINTILIE L

Derwent Primary Accession Number: 2019-36097W

7. RO132889-A2

Non-destructive ferroelectric memory has multilayer structure in which two ferroelectric layers of same material and same thickness are separated by layer of another material with high resistivity

Assignee: INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICA MATERIALELOR

Inventor(s): BONI G A, CHIRILA C, HRIB L, PINTILIE I, PINTILIE L

Derwent Primary Accession Number: 2019-371483

8. RO132890-A0

Ferroelectric and insulating layers based capacitive analogue memory with multiple states of memory, has ferroelectric-insulator-ferroelectric type structure that is obtained by successive deposition by physicochemical methods

Assignee: INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICA MATERIALELOR

Inventor(s): BONI G A, CHIRILA C, HRIB L, VIOREL D, PINTILIE I, PINTILIE L

Derwent Primary Accession Number: 2019-371482

9. RO132789-A2

Ferroelectric memory structure with multiple states of memory, has first ferroelectric layer and insulating layer that are followed by a second ferroelectric layer of same material with same thickness

Assignee: INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICA MATERIALELOR

Inventor(s): BONI G A; CHIRILA C; HRIB L; PINTILIE I; PINTILIE L

Derwent Primary Accession Number: 2019-342270

10. RO132446-A0

PYROELECTRIC DETECTOR BASED ON CERAMICS WITH PLANAR CONCENTRATION GRADIENT AND UNIVERSAL PYROELECTRIC SIGNAL AMPLIFIER FOR VOLTAGE MODE

Assignee: INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICA MATERIALELOR

Inventor(s): PINTILIE L; PINTILIE I; BOTEA M; et al.

Derwent Primary Accession Number: 2018-247017

11. RO132504-A2

PYROELECTRIC DETECTION ELEMENT FOR WORKING AT HIGH TEMPERATURES

Assignee: INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICA MATERIALELOR

Inventor(s): STAN G, PINTILIE I, BESLEAGA S C, BOTEA M, DOBRESU G, CIOCA M, CULEA L, SOARE P, PINTILIE L

Derwent Primary Accession Number: 2018-33448J

12. RO132197-A2; RO132197-B1

MASSIVE FERROELECTRIC CERAMICS WITH IMPROVED PROPERTIES FOR PYROELECTRIC DETECTION BY CONCENTRATION GRADIENT

Assignee: INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICA MATERIALELOR

Inventor(s): PINTILIE L; PINTILIE I; IANCULESCU C A.

Derwent Primary Accession Number: 2017-73426G

13. RO128455-A2

Method of forming ferro-electric schottky diode, involves depositing thin epitaxial layer of PZT and depositing punctiform tantalum electrode which forms ohmic contact

Assignee: I INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICA MATERIALELOR

Inventor(s): PINTILIE L; PINTILIE I; IUGA A R; et al.

Derwent Primary Accession Number: 2013-K35606

14. RO112391-B1

Lead sulphide photoresistor

Assignee: INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICA MATERIALELOR

Inventor(s): PINTILIE L; PINTILIE I; BOTILA T; et al.

Derwent Primary Accession Number: 1998-108670

15. RO110740-B1

Infrared modulated light detector

Assignee: INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICA MATERIALELOR

Inventor(s): PINTILIE L; PINTILIE I.

Derwent Primary Accession Number: 1997-019151

16. RO109482-B1

Pyroelectric composite material with high pyroelectric coefficient

Assignee: INSTITUTUL NAȚIONAL DE CERCETARE-DEZVOLTARE PENTRU FIZICA MATERIALELOR

Inventor(s): CONSTANTIN C; PINTILLIE L; RIBCO L; et al.

Derwent Primary Accession Number: 1995-365090