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(71) Applicant *(for all designated States except US)*: **THE OHIO STATE UNIVERSITY RESEARCH FOUNDATION** [US/US]; 1216 Kinnear Road, Columbus, OH 43212 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **DENRY, Isabelle, L.** [US/US]; 5790 Rushwood Dr., Dublin, OH 43017 (US). **HOLLOWAY, Julie, A.** [US/US]; 5790 Rushwood Dr., Dublin, OH 43017 (US).

(74) Agents: **RUSSELL, Raymond, N.** et al.; Calfee, Halter & Griswold LLP, 800 Superior Avenue, Cleveland, OH 44114-2688 (US).

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Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

Published:

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(54) **Title**: LANTHANUM OXIDE-DOPE GLASS-CERAMICS

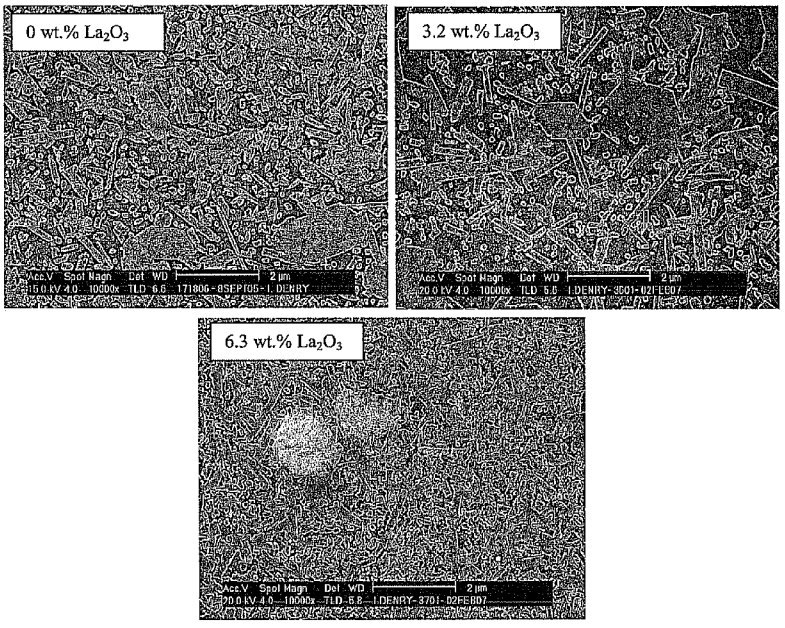

FIG. 3

(57) **Abstract**: Glass-ceramic compositions exhibiting high reliability and tensile strength are described. The compositions can include crystal phases including roedderite and/or potassium fluorrichterite. The glass-ceramic compositions are bioactive, and can be used as components of a wide variety of biomedical devices such as dental restorations.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

C03C 3/112(2006.01)i, C03C 3/095(2006.01)i

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C03C 3/112; A01N 1/00; A61C 13/00; C03C 10/00; C03C 10/10; C03C 4/02; C03C 8/22

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models since 1975.
Japanese utility models and applications for utility models since 1975.

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords:glass, ceramic, SiO2, MgO, Na2O, K2O, CaO, Fluorine

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	US 6955776 B1 (FRITS KORNELIS FEENSTRA) 18 October 2005 See column 4, line 13-column 4, 35; claims 1-21	1,2,13 3-5,12,14-17
Y	WO 2006-042046 A2 (PENTRON LABORATORY TECHNOLOGIES, LLC et al.) 20 April 2006 See page 5, line 15- page 5, line 24; table 1,2,7; claims 1-22	4,5,14-17
Y	US 2004-0121894 A1 (DMITRI BRODKIN) 24 June 2004 See paragraph [0033]-paragraph [0038]; claims 1-48	5,17
Y	EP 0529241 B1 (CORNING INC.) 13 September 1995 See page 4, line 5-page 4, line 52; claims 1-8	3,12
A	US 2002-0197583 A1 (DEREK W. JONES et al.) 26 December 2002 See whole document	1-17

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:
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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
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Korean Intellectual Property Office
Government Complex-Daejeon, 139 Seonsa-ro, Seo-gu, Daejeon 302-701, Republic of Korea

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Authorized officer

CHUNG, HYUN JIN

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Information on patent family members

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