Attorney Docket No.: MITX-7711/01US 317239-2275 **PATENT**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:	Pein et al.	Confirmation No.:	2805
Serial No.:	15/061,308	Group Art Unit:	2884
Filed:	March 4, 2016	Examiner:	Jeremy Valentiner

FOR: **SYSTEMS, METHODS, AND APPARATUS FOR RADIATION DETECTION**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND REPLY

In response to the Non-Final Office Action dated March 13, 2017, please amend the above-identified patent application in the following manner:

Amendments to the **Specification** begin on page 2 of this paper.

The **Claims** are reflected in the listing of the claims which begins on page 4 of this paper.

Remarks begin on page 9 of this paper.