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(71) Applicant: **FOUNDATION MEDICINE, INC.** [US/US];
150 Second Street, Cambridge, Massachusetts 02141 (US).

(72) Inventors: **SOKOL, Ethan**; c/o Foundation Medicine, Inc., 150 Second Street, Cambridge, Massachusetts 02141 (US). **MOORE, Jay**; c/o Foundation Medicine, Inc., 150

Second Street, Cambridge, Massachusetts 02141 (US). **NEWBERG, Justin**; c/o Foundation Medicine, Inc., 150 Second Street, Cambridge, Massachusetts 02141 (US). **JIN, Dexter**; c/o Foundation Medicine, Inc., 150 Second Street, Cambridge, Massachusetts 02141 (US). **CHEN, Kuei-Ting**; c/o Foundation Medicine, Inc., 150 Second Street, Cambridge, Massachusetts 02141 (US).

(74) Agent: **WEINER, Ethan M.** et al.; Morrison & Foerster LLP, 755 Page Mill Road, Palo Alto, California 94304-1018 (US).

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(54) Title: SYSTEM AND METHOD OF CLASSIFYING HOMOLOGOUS REPAIR DEFICIENCY

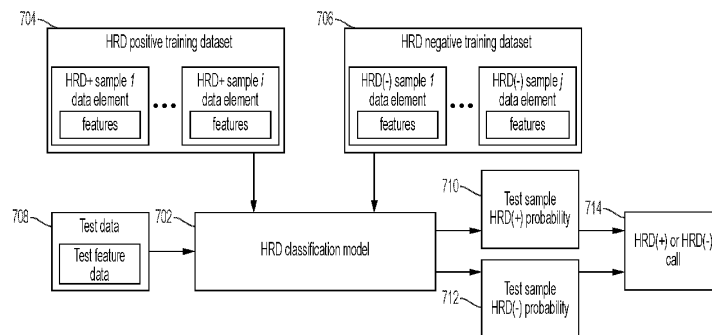


FIG. 7

(57) Abstract: Described herein are methods, devices, and systems for identifying a subset of a plurality of features, using one or more feature importance metrics, for training and using a homologous repair deficiency (HRD) classification model. Further described are methods, devices, and systems for classifying a tumor of a cancer, such as pancreatic cancer, as likely HRD positive or likely HRD negative, and for calling the tumor as HRD positive or HRD negative. Also described herein are methods of treating a tumor of a cancer, such as pancreatic cancer, based on the classifications

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