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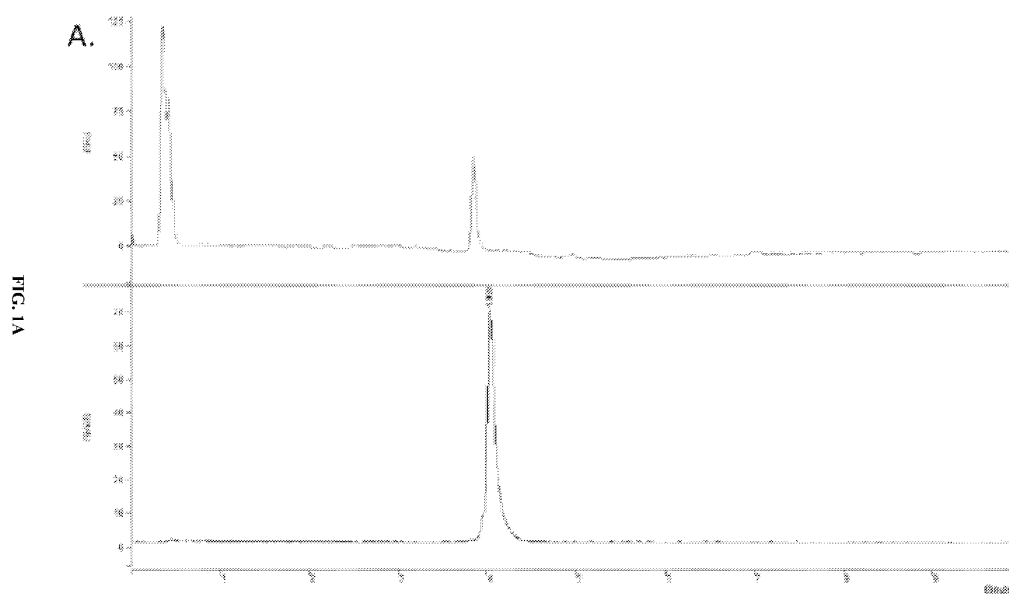
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(54) Title: COPPER-CONTAINING THERAGNOSTIC COMPOUNDS AND METHODS OF USE



(57) Abstract: The present technology provides compounds, as well as compositions including such compounds, useful for imaging and/or treatment of a non-small cell lung cancer, small cell carcinoma of the lung, bladder cancer, colon cancer, gallbladder cancer, pancreatic cancer, esophageal cancer, melanoma, liver cancer, primary gastric adenocarcinoma, primary colorectal adenocarcinoma, renal cell carcinoma, prostate cancer, a neuroendocrine tumor, a pituitary tumor, a vasoactive intestinal peptide-secreting tumor, a glioma, breast cancer, an adrenal cortical cancer, a cervical carcinoma, a vulvar carcinoma, an endometrial carcinoma, a primary ovarian carcinoma, a metastatic ovarian carcinoma, and/or a metastatic cancer. The compounds include a tumor targeting domain (that includes a moiety capable of recognizing or interacting with a molecular target on the surface of tumor cells), a blood- protein binding domain, and a sarcophagine-containing domain, where the moiety of the tumor targeting domain is distal to and sterically unimpeded by the

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