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(71) Applicant *(for all designated States except US)*: **GE HEALTHCARE LIMITED** [GB/GB]; Amersham Place, Little Chalfont Buckinghamshire HP7 9NA (GB).

(71) Applicant *(for MG only)*: **MEDI-PHYSICS, INC.** [US/US]; 101 Carnegie Center, Princeton, New Jersey 08540 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **HORN, Eric** [GB/GB]; GE Healthcare Limited, The Grove Centre, White Lion Road, Amersham Buckinghamshire HP7 9LL (GB). **FAIRWAY, Steven** [GB/NO]; GE Healthcare AS, P.O. Box 4220 Nydalen, Nycoveien 1-2, N-0401 Oslo (NO). **MANTZILAS, Dimitrios** [GR/NO]; GE Healthcare AS, P.O. Box 4220 Nydalen, Nycoveien 1-2, N-0401 Oslo (NO). **POWELL, Nigel** [GB/GB]; GE Healthcare Limited, The Grove Centre, White Lion Road, Amersahm Buckinghamshire HP7 9LL (GB).

(74) Agents: **LEE, Christine** et al.; GE Healthcare, Inc., 101 Carnegie Center, Princeton, New Jersey 08540 (US).

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(54) Title: PURIFICATION METHOD

(57) Abstract: A diagnostic imaging agent useful for positron emission tomography (PET) imaging as well as to improved hardware for producing such imaging agents is described. Flutemetamol (18F) Injection for the imaging of b amyloid plaques in the brain and methods and devices for preparing same are described including the automated synthesis and purification of [18F]flutemetamol by means of solid phase extraction (SPE).