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(54) Title: CARBORANYLPORPHYRINS AND USES THEREOF

(57) Abstract: The present invention is directed to low toxicity boronated compounds and methods for their use in the treatment, visualization, and diagnosis of tumors. More specifically, the present invention is directed to low toxicity carborane-containing 5, 10, 15, 20-tetraphenylporphyrin compounds and methods for their use particularly in boron neutron capture therapy (BNCT) and photodynamic therapy (PDT) for the treatment of tumors of the brain, head and neck, and surrounding tissue. The invention is also directed to using these carborane-containing tetraphenyl porphyrin compounds to methods of tumor imaging and/or diagnosis such as MRI, SPECT, or PET.



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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,877,165 (MIURA et al) 2 March 1999 (02.03.1999), column 4, line 20 through column 6, line 44, column, 31, lines 15-21, column 34, lines 1-32	1-27
Y	WO 01/85736 (VINCENTE (et al) 15 November 2001 (15.11.2001), page 2, line 29-page 3, line 10, page 32, line 1-page 36, line 24.	1-27
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