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Abstract

5 The use of stabilizer-free superparamagnetic particles as auxiliaries in imaging methods as well as a contrast agent containing superparamagnetic particles, for use in imaging methods, in particular, for use in nuclear magnetic resonance spectroscopy or tomography and in x-ray imaging, is claimed. The superparamagnetic particles are preferably selected from metal oxides and/or metals, in particular, from α - Fe_2O_3 , Fe_3O_4 , MnFe_2O_4 , NiFe_2O_4 , CoFe_2O_4 and any mixtures thereof.