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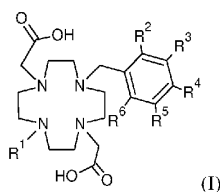
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(54) Title: TETRAAZADODECANE BASED CHELATING AGENTS FOR SEPARATION OF RARE EARTH ELEMENTS AND METHOD THEREFOR



(57) Abstract: The present invention relates to the use of compounds of general formula (I) for separations of rare earth elements (lanthanides) by precipitation, wherein R^1 is selected from the group consisting of H; $-CH_2COOH$; R^2 , R^3 , R^4 , R^5 and R^6 are independently selected from the group consisting of H; OH; $-NO_2$; $-COOH$; phenyl; and/or R^2 and R^3 or R^3 and R^4 or R^4 and R^5 or R^5 and R^6 together with two neighbouring carbon atoms of the aromatic ring form a six-membered aromatic ring. The invention further relates to a method of separation of rare earth elements by precipitation.

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