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(54) Title: COORDINATION COMPLEX SYSTEM COMPRISING BUILDING BLOCKS

(57) Abstract: The invention relates to a coordination complex system comprising a ligand having at least two donor moieties, which are complexed to at least a metal selected from a transition metal and lanthanide, characterized in that the ligand comprises at least two building blocks, each having at least one functional group and at least one donor moiety, wherein one building block is non-covalently bonded through its functional group to a complementary functional group of another building block or of a template, wherein the template comprises at least one other functional group that is noncovalently bonded to a complementary functional group of another building block, and wherein all building blocktemplate-building block structures are the same when the template contains more than two functional groups.



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