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(71) Applicant (for all designated States except US): MONTELL TECHNOLOGY COMPANY BV [NL/NL]; Hoeksteen 66, NL-2132 MS Hoofddorp (NL).		Published With international search report. With amended claims and statement.	
(72) Inventors; and			
(75) Inventors/Applicants (for US only): DALL'OCCO, Tiziano [IT/IT]; Via E. Farolfi, 3, I-44100 Ferrara (IT). DANG, Vu, Anh [US/US]; 102 Veronica Lane, Bear, DE 19701 (US). YU, Lin-Chen [US/US]; 814 Christopher Court, Hockessin, DE 19707-1015 (US). RESCONI, Luigi [IT/IT]; Via Arianuova, 56/B, I-44100 Ferrara (IT). BALBONI, Davide [IT/IT]; Via Bastianino, 8, I-44100 Ferrara (IT). BOSCARATO, Alessia [IT/IT]; Via A. Gnani, 146/f, I-44031 Ambrogio (IT). SCHAUVERIEN, Colin, J. [GB/NL]; Lijnbaansgracht 384, NL-1017 XC Amsterdam (NL).			

(54) Title: BRIDGED METALLOCENES, PREPARATION, USE IN CATALYTIC SYSTEMS

(57) Abstract

A class of metallocene compounds is disclosed having general formula (I) or (Ib): wherein R^1 are hydrocarbon groups; R^2 are hydrogen or hydrocarbon groups, M is a transition metal of group 3, 4, 5, 6 or to the lanthanide or actinide groups in the Periodic Table of the Elements (new IUPAC version), M' is transition metal selected from those belonging to group 3 or to the lanthanide or actinide groups in the Periodic Table of the Elements (new IUPAC version), X is a monoanionic ligand, p is an integer of from 0 to 3, being equal to the oxidation state of the metal M minus two, q is an integer from 3 to 5, and n is an integer from 1 to 4, when the six-membered rings of the compound of formula (Ia) are not perhydrated, and is an integer for from 0 to 4, when the six-membered rings of the compound of formula (Ia) are perhydrated as well as in the compound of formula (Ib). These metallocenes are useful as catalyst components for the polymerisation of olefins.

