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(71) Applicant (for all designated States except US): **INEOS EUROPE LIMITED** [GB/GB]; Compass Point, 79-87 Kingston Road, Staines, Middlesex TW18 1DT (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **JACOBSEN, Grant, Berent** [GB/BE]; Ringlaan 59, B-3080 Tervuren (BE). **CHIRINOS-COLINA, Juan Jose** [VE/VE]; Conj. Res. La esperanza, Edif. Yaguasiru, Apto 2G Maracaibo, Edo Zulia (VE). **GIBSON, Vernon, Charles** [GB/GB]; Flat 2, 46 Prince's Gate, Exhibition Road, London SW7 2QA (GB).

(74) Agent: **COMPASS PATENTS LLP**; 120 Bridge Road, Chertsey, Surrey KT16 8LA (GB).

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(54) Title: DIENE POLYMERISATION

(57) Abstract: A process for producing homopolymers or copolymers of conjugated dienes comprising contacting monomeric material comprising at least one conjugated diene with a catalyst system comprising two or more different transition metal compounds and optionally one or more activators. Preferred transition metal compounds are based on cobalt and chromium, especially complexes thereof having benzimidazole ligands.

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