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(71) Applicant (for all designated States except US): **BP CHEMICALS LIMITED** [GB/GB]; Britannic House, 1 Finsbury Circus, London EC2M 7BA (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BURNS, Andrew, Lindsay** [GB/GB]; Blairhill Farm Cottage, Rumbling Bridge, Kinross KY13 0PU (GB). **GRIFFITHS, David, Charles** [GB/GB]; 75 Common Road, Claygate, Esher, Surrey KT10 OHU (GB). **WOODFIN, William, Terence** [GB/GB]; Chalk Cottage, Chapel Street, North Waltham, Hampshire RG25 2BZ (GB).

(74) Agent: **HYMERS, Ronald, Robson**; BP International Limited, Chertsey Road, Sunbury-on-Thames, Middlesex TW16 7LN (GB).

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(54) Title: PRODUCTION OF OLEFINS

(57) Abstract: A process for the production of a mono-olefin from a feedstock comprising a paraffinic hydrocarbon which process comprises a) partially combusting at a pressure of at least (15) barg a mixture of the hydrocarbon feed and a molecular oxygen-containing gas in contact with a catalyst capable of supporting combustion beyond the normal fuel rich limit of flammability where they are reacted to form a product comprising one or more mono-olefin(s), carbon monoxide and hydrogen and b) recovering the one or more olefin(s).



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