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(71) Applicant: **BP CHEMICALS LIMITED** [GB/GB];
Chertsey Road, Sunbury-on-Thames Middlesex TW16 7BP
(GB).

(72) Inventors; and

(71) Applicants (*for US only*): **DITZEL, Evert Jan** [NZ/GB];
Saltend, Hull East Yorkshire HU12 8DS (GB). **GAGEA,**
Bogdan Costin [RO/GB]; Whitchurch Hill, Pangbourne,
Reading Berkshire RG8 7QR (GB). **LAW, David John**
[GB/GB]; Saltend, Hull East Yorkshire HU12 8DS (GB).
SUNLEY, John Glenn [GB/GB]; Saltend, Hull East York-
shire HU12 8DS (GB).

(74) Agents: **BROOKE, Caron** et al.; BP International Lim-
ited, Global Patents & Technology Law, Chertsey Road,
Sunbury on Thames Middlesex TW16 7LN (GB).

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(54) Title: CARBONYLATION PROCESS

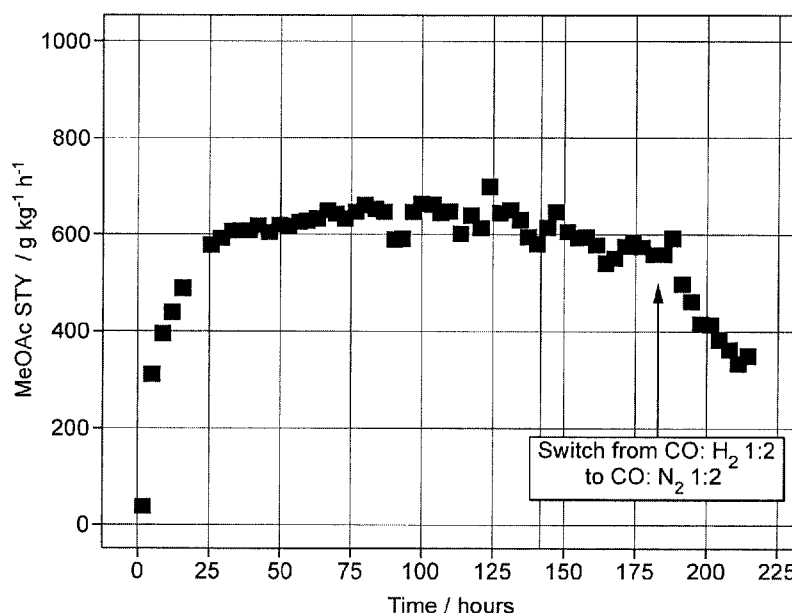


FIG. 1

(57) Abstract: A process for the carbonylation of dimethyl ether with carbon monoxide in the presence of a catalyst to produce methyl acetate reaction product which carbonylation process is conducted in the presence of hydrogen at a molar ratio of hydrogen to carbon monoxide of at least 1 and the catalyst is a zeolite prepared from a synthesis mixture comprising at least one organic structure directing agent.



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