

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
14 December 2000 (14.12.2000)

PCT

(10) International Publication Number
WO 00/74842 A1

- (51) International Patent Classification¹: **B01J 27/188, C07C 67/04, 67/24**
- (21) International Application Number: **PCT/JP00/03570**
- (22) International Filing Date: **1 June 2000 (01.06.2000)**
- (25) Filing Language: **English**
- (26) Publication Language: **English**
- (30) Priority Data:
11/156060 3 June 1999 (03.06.1999) JP
60/141,249 30 June 1999 (30.06.1999) US
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- (81) Designated States (national): **AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.**
- (84) Designated States (regional): **ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).**
- Published:
— With international search report.
— Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **CATALYST FOR USE IN PRODUCING LOWER FATTY ACID ESTER, PROCESS FOR PRODUCING THE CATALYST, AND PROCESS FOR PRODUCING LOWER FATTY ACID ESTER USING THE CATALYST**

(57) Abstract: A catalyst for producing lower fatty acid esters through esterification of a lower aliphatic carboxylic acid with a lower olefin, comprising a heteropoly acid or a salt thereof held on a carrier, and having a specific surface area of the catalyst, as measured by a BET method, of 65 m²/g-350 m²/g. A process for producing the catalyst and a process for producing a lower fatty acid ester by using the catalyst are also provided.

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