9702233-8

**PCT** WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

| (51) International Patent Classification 6 : | | (11) International Publication Number: |
|---|---|---|
| B01J 23/745, 23/76, C07C 5/333, 15/46 | A1 | WO 96/18458 |
| | | (43) International Publication Date: 20 June 1996 (20.06.96) |

(21) International Application Number: PCT/EP95/05038

(22) International Filing Date: 13 December 1995 (13.12.95)

(30) Priority Data:
08/355,949 14 December 1994 (14.12.94) US

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(81) Designated States: AU, CA, CN, JP, KR, SG, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

**Published**
*With international search report.*
*Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.*

(54) Title: DEHYDROGENATION CATALYST AND PROCESS

(57) Abstract

Dehydrogenation catalysts are prepared by a predoping process comprising, mixing iron oxide materials with a predopant to form a blend of iron oxide and predopant and heating the blend to the predoping conditions and thereafter forming a catalyst. The catalysts so prepared are useful in the dehydrogenation of a composition having at least one carbon-carbon double bond. Such catalytic uses include the conversion of ethylbenzene to styrene.