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[US/US]; 2705 Blue Heron Drive, Hudson, OH 44236  
(US).

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(74) Agent: **RUHR, Paula, Sanders**; The Dow Chemical Com-  
pany, Intellectual Property, P.O. Box 1967, Midland, MI  
48641-1967 (US).

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(71) Applicant (*for all designated States except IN, US*):  
**UNION CARBIDE CHEMICALS & PLASTICS  
TECHNOLOGY CORPORATION** [US/US]; 39 Old  
Ridgebury Road, Danbury, CT 06817-0001 (US).

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(71) Applicant (*for IN only*): **DOW GLOBAL TECHNOLO-  
GIES INC** [US/US]; Washington Street, 1790 Building,  
Midland, MI 48674 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **SERAFIN, Juliana,  
G.** [US/US]; 1534 Quarrier Street, Charleston, WV 25311  
(US). **LIU, Albert Cheng-Yu** [US/US]; 1534 Quarrier  
Street, Charleston, WV 25311 (US). **SEYEDMONIR,  
Seyed, R.** [US/US]; 1604 Ravinia Road, Charleston, WV  
25314 (US). **SOO, Hwaii** [US/US]; 116 Eastbridge Road,  
Charleston, WV 25314 (US). **SZYMANSKI, Thomas**

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(54) Title: CATALYSTS HAVING ENHANCED STABILITY, EFFICIENCY AND/OR ACTIVITY FOR ALKYLENE OXIDE  
PRODUCTION

(57) Abstract: A catalyst for the manufacture of alkylene oxide, for example ethylene oxide, by the vapor-phase epoxidation of  
alkene containing impregnated silver and at least one efficiency-enhancing promoter on an inert, refractory solid support, said sup-  
port incorporating a sufficient amount of zirconium component (present and remaining substantially as zirconium silicate) as to  
enhance at least one of catalyst activity, efficiency and stability as compared to a similar catalyst which does not contain the zirco-  
nium component.



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