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(71) Applicant (for all designated States except US):
CELANESE INTERNATIONAL CORPORATION
[US/US]; 1601 West Lbj Freeway, Dallas, TX
75234-6034 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **JOHNSTON, Victor, J.** [US/US]; 3234 Pleasant Cove Court, Houston, TX 77059-3234 (US). **ZINK, James, H.** [US/US]; 3219 Ivory Pointe Drive, League City, TX 77575 (US). **CHEN, Laiyuan** [CN/US]; 4223 Pine Blossom Trail, Houston, TX 77059 (US). **KIMMICH, Barbara, F.** [US/US]; 82B Anderson Hill Road, Bernardsville, NJ 07924 (US). **CHAPMAN, Josefine, T.** [US/US]; 15427 Rocky Oak Court, Houston, TX 77059 (US). **VAN DER WAAL, Jan, Cornelis** [NL/NL]; Schuttersveld 29, NL-2611 WE Delft (NL). **ZUZANIUK, Virginie** [FR/NL]; Zuiderhoofdstraat 137B, NL-1561 AK Krommenie (NL).

(74) Agent: **FERRELL, Michael, W.**; Ferrells, PLLC, P.O. Box 312, Clifton, VA 20124-2706 (US).

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(54) Title: DIRECT AND SELECTIVE PRODUCTION OF ACETALDEHYDE FROM ACETIC ACID UTILIZING A SUPPORTED METAL CATALYST

(57) Abstract: A process for the selective production of acetaldehyde by vapor phase reaction of acetic acid over a hydrogenating catalyst composition to form acetaldehyde is disclosed and claimed. In an embodiment of this invention reaction of acetic acid and hydrogen over platinum and iron supported on silica selectively produces acetaldehyde in a vapor phase at a temperature of about 300°C.



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