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(71) Applicants: **DOW GLOBAL TECHNOLOGIES LLC**
[US/US]; 2211 H.H. Dow Way, Midland, Michigan 48674
(US). **ROHM AND HAAS COMPANY** [US/US]; 400 Ar-
cola Road, Collegeville, Pennsylvania 19426 (US).

(72) Inventors: **MURRAY, Ellen**; 1776 Building, Midland,
Michigan 48674 (US). **DEWILDE, Joseph F.**; 400 Arco-
la Road, Collegeville, Pennsylvania 19426 (US). **HICK-
MAN, Daniel A.**; 1776 Building, Midland, Michigan 48674
(US). **FERRIO, Jeffry A.**; 693 Washington Street, Mid-
land, Michigan 48640 (US).

(74) Agent: **MUTSCHLER, Brian**; The Dow Chemical Com-
pany, Intellectual Property, P.O. Box 1967, Midland, Michi-
gan 48674 (US).

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(54) Title: CONTROLLING VINYL ACETATE MONOMER CATALYST DEACTIVATION WITH ETHYLENE

(57) Abstract: A process for improving catalyst lifetime in the production of vinyl acetate monomer comprises reacting ethylene, acetic acid, and oxygen in the presence of carbon dioxide and a palladium-containing catalyst to produce vinyl acetate monomer. The ethylene is present in an amount ranging from greater than 50 mol% to 65 mol% based on the total amount of ethylene, acetic acid, oxygen, and carbon dioxide.

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