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(71) Applicants: **LYONDELL CHEMICAL TECHNOLOGY, L.P.** [US/US]; Two Greenville Crossing, 4001 Kennett Pike, Suite 220, Greenville, Delaware 19807 (US). **EQUISTAR CHEMICALS, LP** [US/US]; One Houston Center, 1221 McKinney Street, Houston, Texas 77010 (US).

(72) Inventors: **FITZPATRICK, Michael, E.**; 3127 Pebble Bay Drive, League City, Texas 77573 (US). **NGUYEN, Chuc, Tu**; 3116 Maple Hill Drive, Friendswood, Texas 77546 (US). **BRTKO, Wayne, J.**; 6 Acorn Way, Glen Mills, Pennsylvania 19342 (US). **SALISBURY, Brian, A.**; 2210 Kings Row Road, Oxford, Pennsylvania 19363 (US).

(74) Agents: **HAN, Yuanzhang** et al.; LyondellBasell Industries, 3801 West Chester Pike, Newtown Square, Pennsylvania 19073 (US).

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(54) Title: PREPARATION OF ACETIC ACID

(57) Abstract: A method for reducing aldehydes in an acetic acid production process is disclosed. The acetic acid is produced by reacting methanol and carbon monoxide in the presence of a carbonylation catalyst. The method comprises reacting an aldehyde-containing stream with an alcohol to form an acetal-containing stream. An acetal-enriched stream is separated from the acetal-containing stream and then hydrolyzed to form a hydrolysis mixture comprising the alcohol and the aldehydes. The alcohol is isolated from the hydrolysis mixture and used to react with the aldehyde-containing stream to form the acetal-containing stream. The invention reduces aldehydes in the acetic acid produced.



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