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(71) Applicant: **LYONDELLBASELL ACETYLS, LLC**
[US/US]; 1221 McKinney Street, Suite 300, Houston, TX
77010 (US).

(72) Inventors: **WEBER, Shane, J.**; c/o LyondellBasell IP Legal
Dept., 1221 McKinney Street, Suite 300, Houston, TX
77010 (US). **HALLINAN, Noel, C.**; c/o LyondellBasell
IP Legal Dept., 1221 McKinney Street, Suite 300, Hous-

ton, TX 77010 (US). **MATHEWS, Ryan, J.**; c/o Lyondell-
Basell IP Legal Dept., 1221 McKinney Street, Suite 300,
Houston, TX 77010 (US).

(74) Agent: **STREETER, Leslie** et al.; LyondellBasell, 1221
McKinney Street, Suite 300, Houston, TX 77010 (US).

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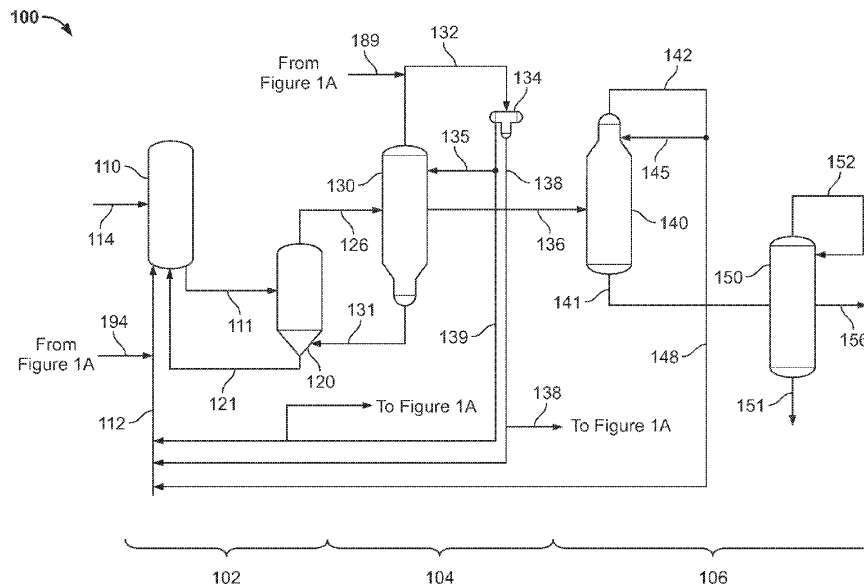


FIG. 1

(57) Abstract: A system and method for removing acetaldehyde from an acetic acid system, including providing a solution from the acetic acid system, the stream having methyl iodide and acetaldehyde, distilling the solution to produce an overhead stream having a higher concentration of acetaldehyde, contacting the overhead stream, and optionally a hydroxyl compound, with an acid catalyst to convert the acetaldehyde to an aldehyde derivative having a higher boiling point than acetaldehyde.

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