

## [12] Patent

[11] Patent No.: GC 0000284	Number of the Decision to Grant the Patent: 6/348
[45] Date of Publishing the Grant of the Patent: 01/11/2006 6/2006	Date of the Decision to Grant the Patent: 20/03/2006
[21] Application No.: GCC/P/2001/1370 [22] Filing Date: 16/05/2001 [30] Priority: [31] Priority No. [32] Priority date [33] State PCT/EP00/04545 19/05/2000 WO [72] Inventors: 1- Sabine Zeys, 2- Uwe Dingerdissen, 3- John Fritch [73] Owner: Celanese International Corporation, 1601 West, LBJ Freeway, Dallas, Texas 75381, USA [74] Agent: Suleiman Ibrahim Al-Ammar	[51] Int. Cl. <sup>7</sup> : C07C 67/055, 69/15, 51/215, 53/08, 5/48, 11/04 [56] Cited Documents: - WO 1999/020592 A (CELANESE GMBH) 20 April 1999 - US 6040474 A (JOBSON et al.) 21 March 2000

### [54] PROCESS FOR THE PRODUCTION OF VINYL ACETATE

[57] Abstract: The present invention describes contacting in a first reaction zone a gaseous feedstock comprising essentially ethane with a molecular oxygen-containing gas in the presence of a catalyst to produce a first product stream comprising acetic acid; contacting in a second reaction zone a gaseous feedstock comprising essentially ethane with a molecular oxygen-containing gas in the presence of a catalyst to produce a second product stream comprising ethylene; contacting in a third reaction zone the first gaseous product stream and the second gaseous product stream with a molecular oxygen-containing gas in the presence of a catalyst to produce a fourth product stream comprising vinyl acetate; separating the product stream from step (3) and recovering vinyl acetate from said product stream from step (3).

No. of claims: 7

No. of figures: 1

