

Title (en)  
PROCESS FOR VINYL CHLORIDE MANUFACTURE FROM ETHANE AND ETHYLENE

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON VINYLCHLORID AUS ETHAN UND ETHYLENE

Title (fr)  
PROCEDE DE PRODUCTION D'UN MONOMERE DE CHLORURE DE VINYLE A PARTIR D'ETHANE ET D'ETHYLENE AVEC RECYCLAGE D'UN EFFLUENT DE REACTEUR HCl

Publication  
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Application  
**EP 00968828 A 20001006**

Priority  
• US 0027689 W 20001006  
• US 16689799 P 19991122  
• US 0027272 W 20001003

Abstract (en)  
[origin: WO0138274A1] A process for producing vinyl chloride monomer from ethylene and ethane having input of significant quantities of both ethane and ethylene in input streams to the affiliated reactor where hydrogen chloride in the reactor effluent is only partially recovered from the reactor effluent in the first unit operation after the ethane/ethylene-to-vinyl reaction step or stage. Steps are presented of oxydehydro-chlorination catalytic reaction of ethane, ethylene, hydrogen chloride, oxygen, and chlorine; cooling and condensing the reactor effluent stream; and separating the condensed raw product stream into vinyl chloride monomer and a reactor recycle stream.

IPC 1-7  
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IPC 8 full level  
**B01J 23/10** (2006.01); **B01J 23/72** (2006.01); **B01J 27/06** (2006.01); **C07C 17/152** (2006.01); **B01J 27/10** (2006.01); **B01J 27/122** (2006.01); **B01J 27/125** (2006.01); **B01J 27/135** (2006.01); **B01J 27/138** (2006.01); **B01J 27/32** (2006.01); **B01J 37/24** (2006.01); **B01J 38/16** (2006.01); **C07B 61/00** (2006.01); **C07C 1/30** (2006.01); **C07C 11/06** (2006.01); **C07C 17/15** (2006.01); **C07C 17/154** (2006.01); **C07C 17/156** (2006.01); **C07C 17/158** (2006.01); **C07C 17/25** (2006.01); **C07C 17/38** (2006.01); **C07C 19/045** (2006.01); **C07C 21/04** (2006.01); **C07C 21/06** (2006.01); **C07C 21/067** (2006.01); **C07C 21/073** (2006.01); **B01J 23/83** (2006.01); **B01J 35/10** (2006.01); **B01J 37/03** (2006.01); **B01J 37/22** (2006.01)

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2. **C07C 17/154 + C07C 21/06**  
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4. **C07C 17/25 + C07C 21/04**  
5. **C07C 17/25 + C07C 21/067**  
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