

Title (en)
DEVICE AND PROCESS FOR CONTINUOUS PHOSGENATION

Title (de)
VORRICHTUNG UND VERFAHREN FÜR KONTINUIERLICHE PHOSGENIERUNG

Title (fr)
DISPOSITIF ET PROCÉDÉ POUR LA PHOSGÉNATION EN CONTINU

Publication
EP 2621627 A1 20130807 (FR)

Application
EP 11771212 A 20110928

Priority

- FR 1003879 A 20100930
- FR 2011000530 W 20110928

Abstract (en)
[origin: WO2012042130A1] Continuous process for catalytic phosgenation of an organic compound E to a product P, said process being carried out in a plug-flow reactor R2, preferably of cylindrical shape, said reactor R2 being provided with a mechanical means for axial stirring, and in which process the phosgene consumed in said reactor R2 is generated continuously in a first reactor R1 located upstream of the reactor R2, and in which process: - phosgene is generated, in said first reactor R1, from CO and Cl₂, - at least one liquid phase comprising said organic compound E is sent into said reactor R2 continuously, preferably at the upstream end of said reactor R2, and the phosgene generated in said first reactor R1 is injected, preferably continuously, into said second reactor R2, preferably at its upstream end, - said liquid phase, preferably at a temperature between -25 °C and +200 °C and under axial mechanical stirring, is subjected to the influence of a phosgene pressure of between 1 and 10 bar, for a residence time t of between 1 second and 10 minutes, so that the phosgene reacts with said organic phase in order to form said product P, - the liquid phase comprising said product P is removed from said reactor.

IPC 8 full level
B01J 19/20 (2006.01); **C01B 32/80** (2017.01)

CPC (source: EP US)
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Citation (search report)
See references of WO 2012042130A1

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