

Title (en)
PROCESS FOR DIRECT ELECTROCHEMICAL GASEOUS PHASE PHOSGENE SYNTHESIS

Title (de)
VERFAHREN ZUR DIREKTEN ELEKTROCHEMISCHEN GASPHASEN-PHOSGENSYNTHESE

Title (fr)
PROCEDE DE SYNTHESE ELECTROCHIMIQUE DIRECTE DE PHOSGENE EN PHASE GAZEUSE

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Application
EP 96938176 A 19961112

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Abstract (en)
[origin: DE19543678A1] The invention relates to a process for direct electrochemical gaseous phase phosgene synthesis, during which an electrochemical cell (1) with a proton-conducting membrane (4) is used. Dry HC1 gas and dry CO gas are fed as educts to the anode (2) of the electrochemical cell (1). The chlorine radicals obtained during anodic oxidation of HC1 gas subsequently react with the CO gas directly to form phosgene, while the protons formed simultaneously migrate through the membrane (4) to the cathode (3) where they are reduced to form hydrogen or, in the presence of oxygen, to form water.

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C25B 1/26

IPC 8 full level
C25B 1/26 (2006.01)

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