
Design and Results of Research Operation
of the DFK - 15 electrolyser for chlorate
produkción

1

- Dr.Inž. Rafal Dylewski - Politechnika Slaska
Gliwice
- Mgr.Inž.Alfred Krystek, Mgr.Inž. B.Pisarska
Instytut Chemii Nieorganicznej,Gliwice
- Inž.Julian Foksa - Zaklad Projektowy ZCh
Gliwice,Polsko

Membrane Electrolysis Research of Aqueous
Solutions of Sodium and Potassium Chlorides
on Experimental Scale

9

- Mgr.Inž.B.Pisarska - Instytut Chemii Nieor-
ganicznej, Gliwice, Polsko

Experience with UHDE - Electrolysis
and its Computer Control

13

- Dr. Manfred Zeising, Dr. Kondrad Waiblinger,
Dipl.Ing. Norbert Schnettka, Dr. Hochhaus,
Kombinat Chemische Werke Buna, BRD

Features of Asahi Glass AZEC F2-Type Electrolyzer
- vladimír M.Šedivý, Krebs and Co.Ltd, Swiss

20

Preparation and Properties of Raney Nickel
Electrodes on Ni+Zn Basis for H₂ and O₂
Evolution from alkaline Solutions

24

- Jan Balej, Consultant Bureau for Chemical
Engineering, Julich BRD
- Jiří Divíšek, Research Center, Institute
of Applied Physical Chemistry Julich, BRD

Galvanic Production and Aelectrochemical
Stability of Active Nickel Electrodes

26

- Jiří Divíšek, Research Center, Institute
of Applied Physical Chemistry, Julich, BRD

<u>Oxygen Cathode in Membrane Electrolysis of Brine</u>	36
- Ing. Otomar Špalek, CSc., Ing. K. Balogh Ústav anorganické chemie ČSAV, Praha, ČSFR	
<u>Hydrogen Adsorption at Ni-S Cathode in Alkaline Medium Electrolysis</u>	47
- Ing. Radomír Sabela, Výzkumný ústav anorganické chemie, Ústí n.L., ČSFR	
<u>Mercury Consumption in Electrolysis in Brzeg Dolny Plant (Poland), Mercury Balance and Losses</u>	57
- Inž. Tadeusz Sobczak, Zakłady przemysłu organicznego, "Organika-Rokita", Brzeg Dolny, Polsko	
<u>Corrosion Resistance, Selectivity and Catalytic Activity of RuO₂-TiO₂ Anodes in Electrochemical Production of Chlorine</u>	61
- V.V. Losev, L.J. Selina, Fiziko-chemičeskij institut imeni L.J. Karpova, Moskva, USSR	
<u>Activated Titanium Anodes for Mercury and Membrane Electrolysis in USSR</u>	65
- A.F. Mazanko, V.B. Busse-Mačukas, V.I. Eberil, F.I. Lvovič, Gosniichlorproekt, Moskva, USSR	
<u>A Cyclic Voltammetry Measurements on Activated Titanium Anodes</u>	69
- Ing. Libuše Madronová, Ing. Cyril Kubát Výzkumný ústav anorganické chemie, Ústí n.L., ČSFR	
<u>Current Yields in Membrane Electrolysis with Anode in Bulk of Solution and Anode Bonded to the Membrane</u>	77
- Ing. Leo Štěpán, Výzkumný ústav anorganické chemie Ústí nad Labem, ČSFR	
<u>Oxygen Evolution and Decomposition of Hydrogen Peroxide on Perovskites La_{0.5}Co_{1-y}Pt_yO₃ (y=0.001-0.05) in Alkaline Medium</u>	82
- Ing. Ivo Paseka CS., Ústav anorganické chemie ČSAV, Praha, ČSFR	

Production of Electrolytic Manganese Dioxide
in Czechoslovakia

86

- Ing. Zdenko Terenbach, p.ch., Výzkumný ústav
anorganické chemie, Ústí n.Labem, ČSFR

Anodes for Electrochemical Deposition of
Manganese Dioxide

94

- L.N. Džaparidze, T.A. Čachunašvili,
T.V. Rokva, Ž.M. Kebabze, Institut neorga-
ničeskoj chimii a elektrochimii Akademii
Nauk Gruzinskoj SSR, Tbilisi, USSR