

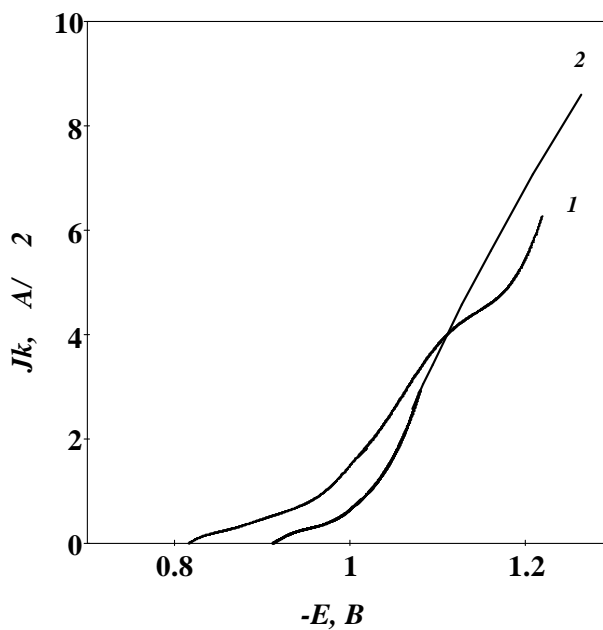
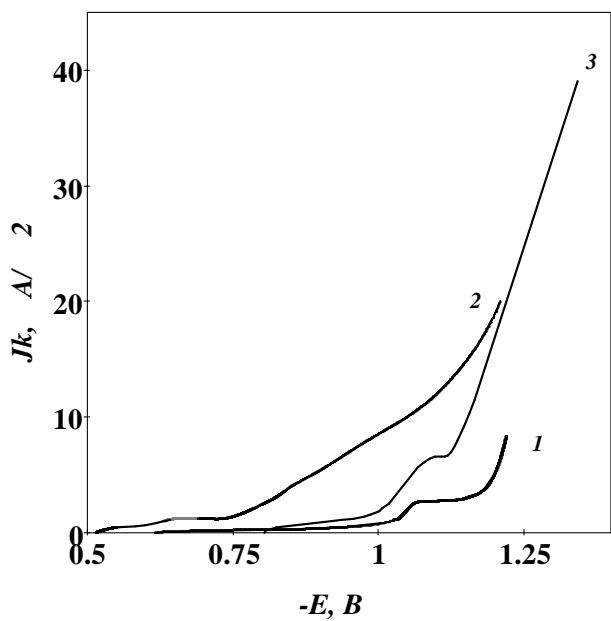
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• • , • • , « »

The mechanisms of zinc, nickel and zinc-nickel alloy deposition from diluted electrolytes, containing amino acid or ammonia as a ligand, were investigated. The very technological characteristics and coatings quality were obtained if the electrolyte contained both of the ligands. The suggested electrolyte is characterized by high stability, processibility and it is ecologically safe.

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-
, , -
•
12 – 16 % 5 – 8 %, [1].
6

-50.1 10 / .

, $2 / ^3 \text{Zn} (\quad) 20 / ^3 \text{Na}$ 10 -
 -
 -
 $0,5 - 0,6 / ^2$, . -
 -
 $40 \% . \quad 12$ -
 , -
 . -
 -
 -
 , . -
 -
 -
 (2) -
 ,
 $[2]$. ,
 .
 , -
 -
 , -
 , -
 .
 $. 1 \quad . 2.$ -
 -
 , -
 ($. 1$).
 .
 $\text{Ni/Zn} = 2$ -
 $- (0,95 - 1,05) (. 1 , \quad 1),$ -
 $- 0,4 / ^2.$ (Zn/Ni = 2) -
 ($. 1 , \quad 2$).
 3



C (/ ³):

1 : - 0,01 ZnO; 0,075

2 - 0,01 NiSO₄; 0,01 ZnO; 0,075

1 - 0,02 NiSO₄, 0,01-ZnO, 0,09
0,09

; 3 - 0,01 NiSO₄; 0,075

; 2 - 0,01 NiSO₄, 0,02-ZnO,

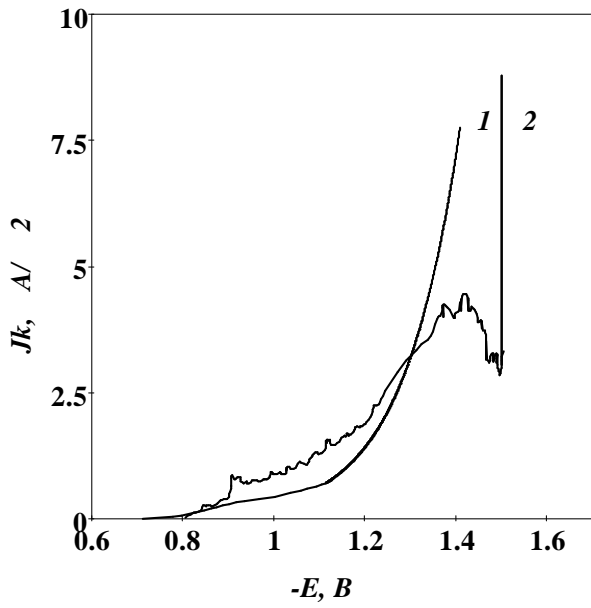
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. 1.

Ni, Zn, Zn - Ni

(. 2, 1, 2).

0,1 - 0,2 / ².



1 –
2 –

. 2.

(/ ³): 0,005 ZnO; 0,01NiSO₄; 0,045

(50 – 60 %)

0,3 – 0,8 / ².

: 1.

. – 1992. – . 1, 3 – 4. – . 32 – 35. . 2.

./ . – : , 1994. – 224 .

26.05.08.