

• • , • • , • • ,
 • • , • • , « »

1:20.

The regularities of palladium and nickel codeposition in alloy from a phosphoric-ammonia electrolyte in pulse regime are defined. The factors influencing on a structure and properties of the obtained coatings are established. The frequency raise under constant pulse current density is shown to decrease Nickel content in alloy. Optimum ratio of pulse and pause duration is 1:20. The pulse electrolysis regimes for qualitative coatings deposition with high Nickel content are established.

[1],

[2].

, ,
 « . . . » « . . . »
 [3].
 Pd I₂, NiCl₂, K₄P₂O₇, NH₃, = 9,5 – 10,5.

-50-1.1, -8.
 [4],

. . . .
 $j = 0,7 \dots 2,5 / ^2, \quad f = 1 \dots 10^2$
 $Q = 2 \dots 45 \quad 20^\circ .$

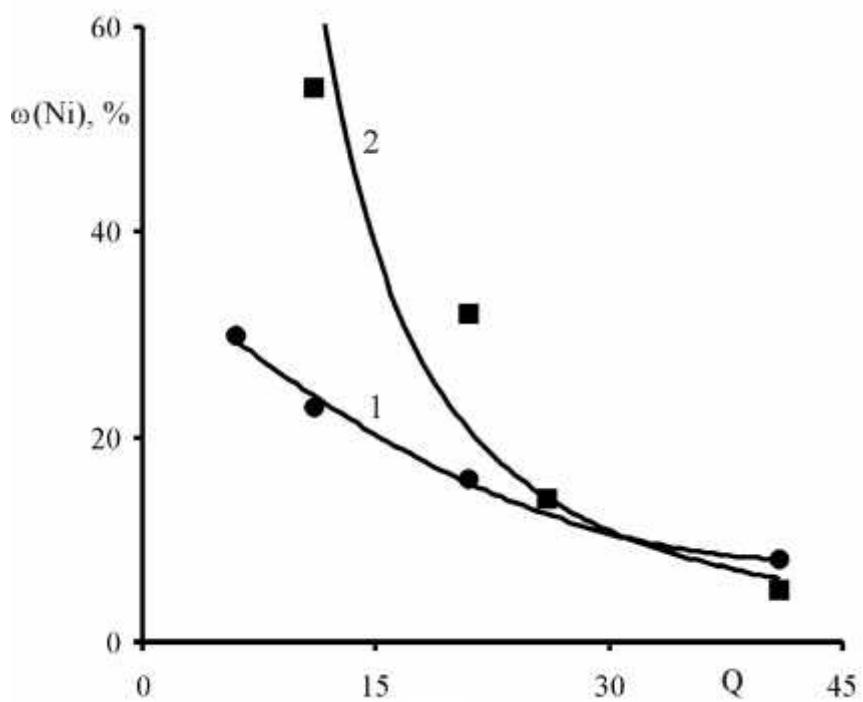
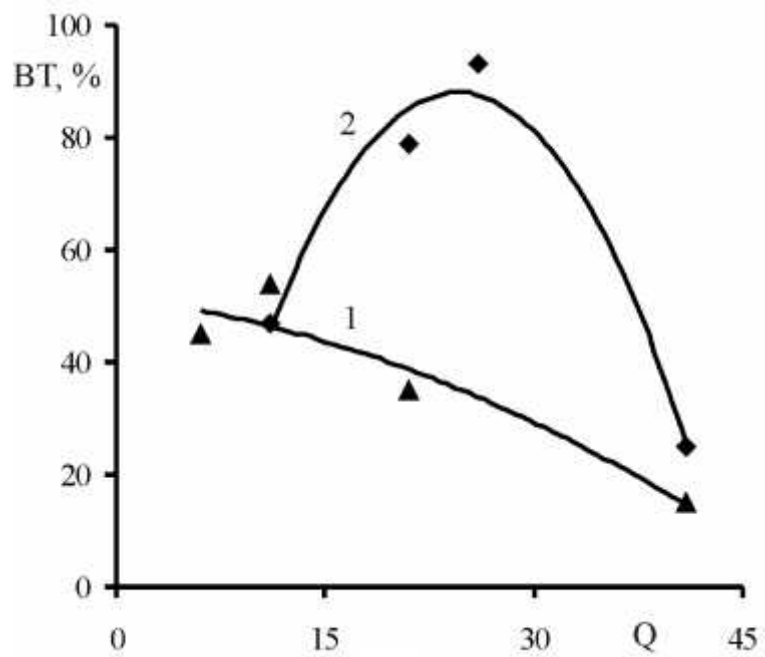
[5],
 () -
 45 %.

, ,
 (. 1) j .

-Q
 j
 $\omega(\text{Ni}) - Q (. 1) ,$

(. 1) ,
 (j = onst)

() ()
 $\omega(\text{Ni}) : = 1 : 20 - 1 : 15.$



$$1 - j = 0,8 / \text{ }^2; 2 - j = 1,2 / \text{ }^2$$

.1.

()

()

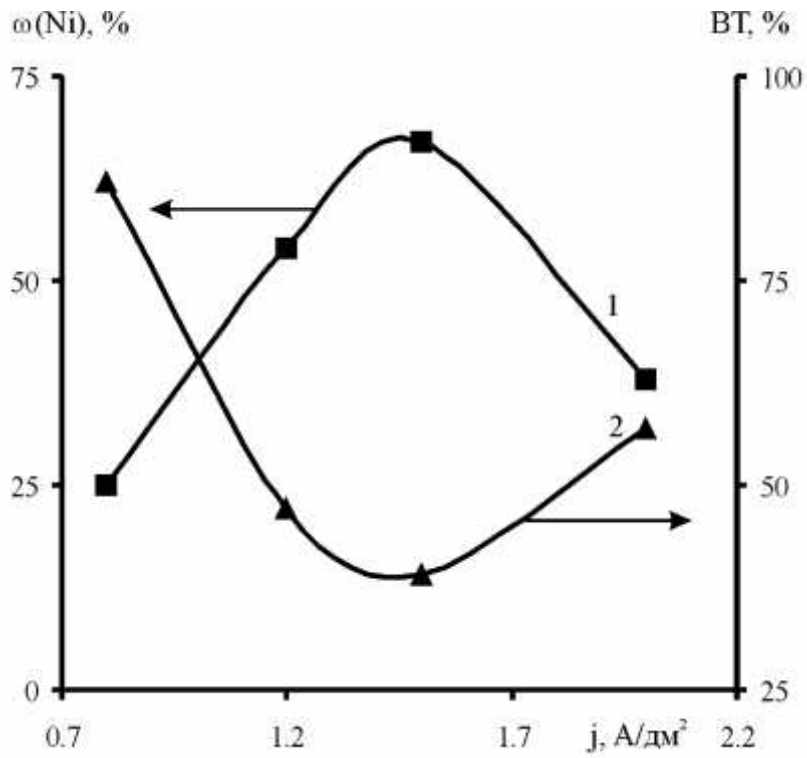
(. 2)

(f = 9,1)

(Q = 11)

ω(Ni)

j .



. 2.

(2) Pd-Ni, $f = 9,1$ $Q = 11$

(1)

3D -

$f = 5...15$

. 3

$\omega(\text{Ni})$

j

$\omega(\text{Ni})$

10

j

$\omega(\text{Ni})$

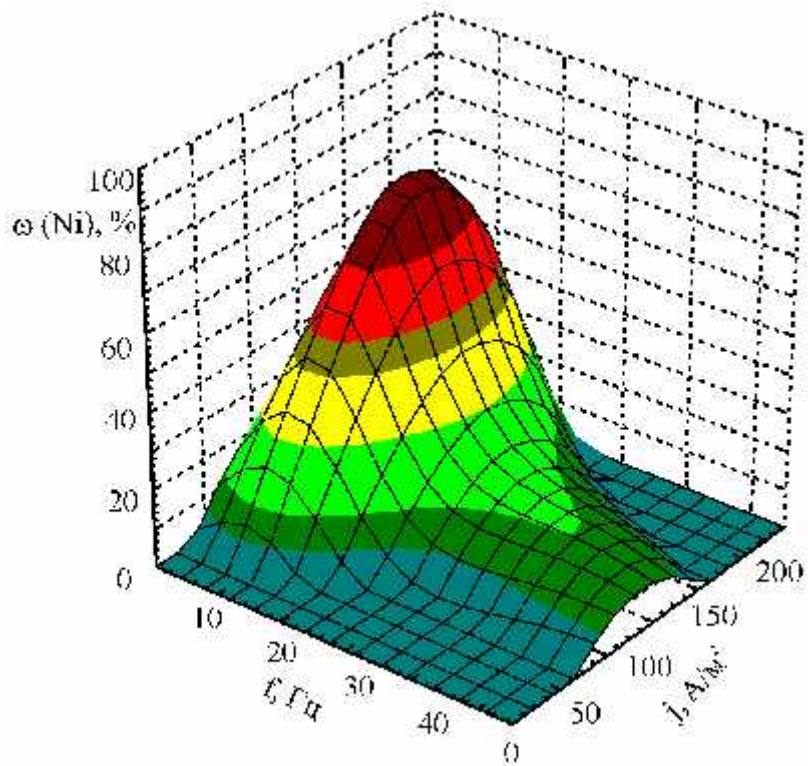
$j = 2,2 / ^2$

80 %

$j = 1,0...1,5 / ^2$

$j = 1,0 - 1,2 / ^2$

-f



. 3.

Pd – Ni

: 1. // « ».- :
 « ».-2006.- 43.- .97 - 100. 2.
 . - . . 1996. - 207 . 3. // . -
 . - 2002. - 3. - .497 - 502. 4. - :
 , 1991. - 288 . 5.
 // « ».- : « ».-2003.- 13.- .17 - 22.

10.04.07