

• • , • • , • • , • • ,
 • • , • • , « »

—

Pd-Ni.

The regularities of palladium and nickel codeposition in alloy from a phosphoric-ammonia electrolyte in galvanostatic regime are defined. The factors influencing on a structure and properties of the obtained coatings are established. It is shown, that nickel content in alloy grows when a cathode current density increased, and the current efficiency practically does not vary. The temperature growth reduces nickel content in alloy as well as alloy current efficiency. The main components concentration ratio influence on the current efficiency and nickel content in alloy is established.

[1].

[2].

Pd-Ni

« . . . » « . . . ».

[3].

, / : Pd $1_2 - 2 \cdot 10^{-3}$, NiCl₂ - $10^{-3} \dots 4 \cdot 10^{-2}$, K₄P₂O₇ - $2 \cdot 10^{-1}$, NH₃ -2, KCl - 0,5; = 9,5-10,5.

-50-1.1,

-8

-1.

13 17 2 ,

[4],

...

[5].

$j=4 \dots 20 / ^2$,

20 - 50 ° .

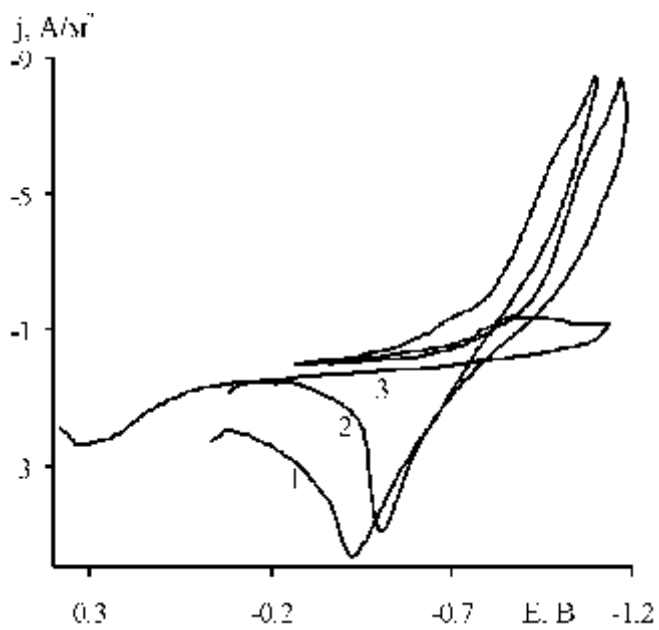
(.1)

13 17 2

(.1,

2),

100 %.



.1.

(1), (2), (3)

20°

Pd²⁺:Ni²⁺

1 : 20.

25 %.

42 %

$j = 12,5 / ^2$.

Ni.

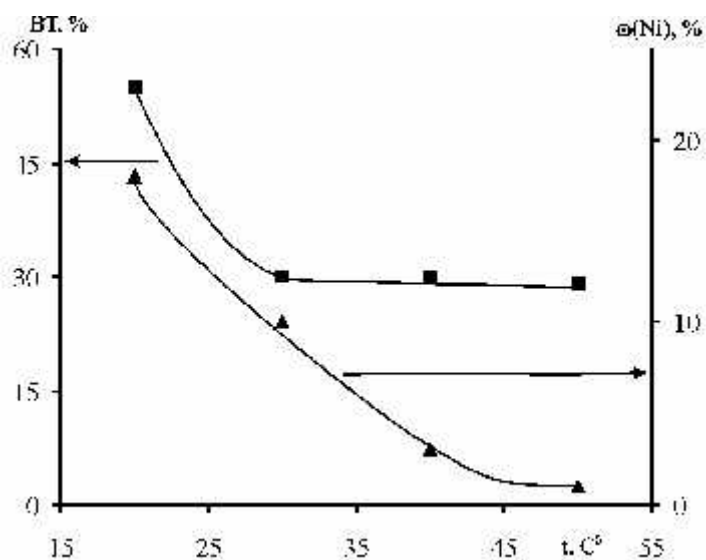
20 / ²,

.2.

Pd-Ni

(50...55 %) $j = 6 / ^2$,

50°



. 3.

Pd-Ni

92 /

16 % j = 6 / 2.

30 %,

20 1 : 5

(42 %)

10...15 / 2.

Pd²⁺:Ni²⁺ 1 :

15...30 %

12,5 / 2

1 : 20.

82 % j = 12,5 / 2

1 : 5.

Pd - Ni,

: 1.

- 1993. - 4. - 2. - . 41-45. 2. . /

. 1976.- 240 . 3. . . /

. 1971.- 310 . 4. . /

. - : , 1991.- 288 . 5. . . . /

. 1972.-408 . 6. . . , c . . , . . / -
. - . . 2003.-592 .

19.10.06

628.1.147

. . . , . . . ,

. - .
-
.

Researches results of possibility of clarifiers with the weighed deposit work improvement at the use of aluminium sulfate solution exposed to the magnetically-electric activating are considered in the article. The change of clarifiers contact dredge fall velocity and dependence of the weighed deposit concentration from water ascending stream speed are shown.

. 70 %
,
-
-
,
-
,
-
,
-
,
-
,
-
,
-
;
,
,