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 . . , . . , . . , " " ,  
 . . , . . , . . ,

a b

The peculiarities of Ferrum-Nickel-Boron alloy deposition by asymmetric current and coatings corrosion resistance were studied. Temperature, current density and deposition duration affect on the coatings properties were established. The polarization resistance, corrosion rate and Tafel coefficients were calculated. Ferrum-Nickel-Boron alloy obtained by asymmetric current was shown to be corrosion resistant.

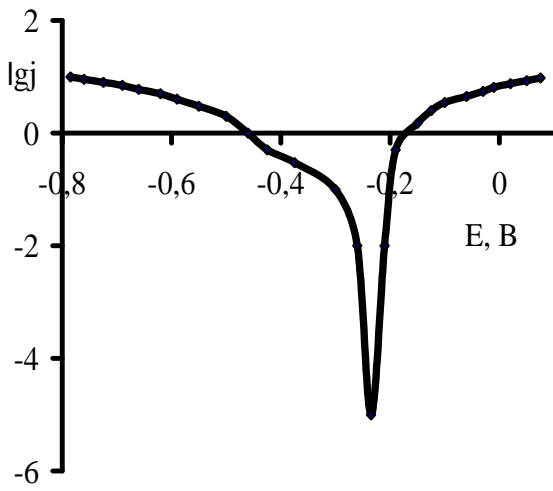
(Fe – Ni – B)  
 [1].  
 , / : FeCl<sub>2</sub>·4H<sub>2</sub>O 200...400, NiCl<sub>2</sub>·7H<sub>2</sub>O 50...100,  
 5...15, 0,5...2, 0,5...2.  
 pH 1...1,2,  
 50  
 25 ± 1<sup>0</sup> .

5 / <sup>2</sup> 5 , 30 %- H<sub>2</sub>SO<sub>4</sub>  
 50...60 / <sup>2</sup>,  
 [2]. :  
 10 / <sup>2</sup>  
 = 8,

[3]. 80...90 %.  
 ( . 1),

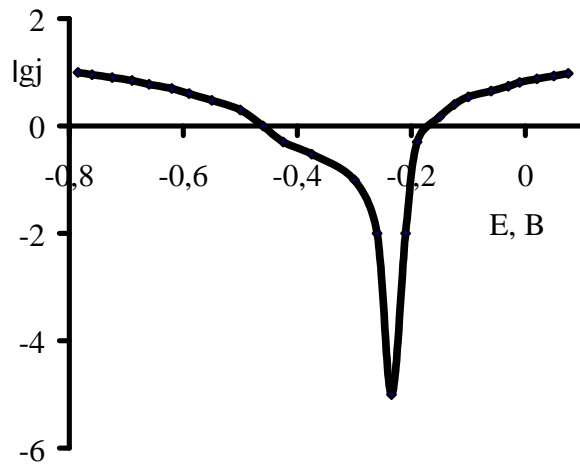
( . 2)  
 (j = 0,001...0,0027 / <sup>2</sup>),  
 a b  
 a – 0,47, b  
 – 0,1 – 0,5, 0,059 0,3

“ ”  
 , %: Fe – 91...93 , Ni – 6...8, B – 0,8...0,9.



. 1.

Fe-Ni-B



. 2.

Fe-Ni-B

( / ),  
j ( / <sup>2</sup>).

( ),

3 %

V

	X	j , / <sup>2</sup>		
		T, °C		,
		X <sub>1</sub>	X <sub>2</sub>	X <sub>3</sub>
	X	6	30	0,75
	X	2	10	0,25
	X	8	40	1
	X	4	20	0,5

$$= 0,86 - 0,044j - 0,039 - 0,24j + 0,036T \quad (1)$$

$$V = 133,86 + 44,6j - 10,6T - 9,86jT + 2,63j - 3,9jT \quad (2)$$

$$J = 0,01 - 0,021j + 0,022jT \quad (3)$$

$$J = 0,01 - 0,021(j - j_0/\Delta j)(T - T_0/\Delta T) + 0,022(j - j_0/\Delta j)(T - T_0/\Delta T)$$

: **1.** . . . . .  
 , 1996. - 208 . **2.** . . . . .  
 - // « », . . . . .  
 , . . . . . ”, 15, 2005 ., .23-26. **3.** . . . . .  
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### 556.3

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The information concerning inclined-rising chink building in substitute drainage systems on the sample of Jakovlevskiy field. Are presented in the work the method and technology of oppressing and shells with filter columns fixing are briefly described in the article.

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