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 2.1.2. (, ,) ()
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2.2.3. (, , 1 . .) ,

2.3. (2 3 , 4 , 5 , .) ,

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2.3.2. (,)

2.3.3. (,)

2.4.

2.4.1.

2.4.2.

2.4.3.

2.4.4. 2.4.1.-2.4.3.

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2.5.1. () (. . 2.1.)

2.5.2. (. . 2.2.2.)

2.5.3. -

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$$\Delta t = \kappa Bi = \kappa \frac{\alpha \cdot X}{\lambda} \quad (1)$$

$$\sigma = \beta \Delta t E \quad (2)$$

$$\sigma > \sigma_T^A \quad (3)$$

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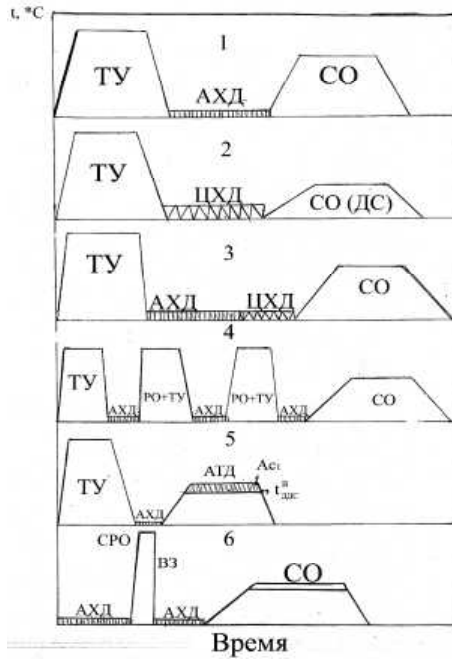
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6 –

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4.1.

4.1.1.

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4.1.2. ()

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4.1.5. -

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400...700 , ⁵⁰ < 273)

		/ ⁵⁰ , /K
		1,700...1,950
		2,374...2,924
		1,877...2,674
	+	2,293...3,645

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	,	,	5, %	KCU**/KCV, / 2		
				t, °	+20	-40
Ø 77 . 5,5	720	760	19	1,4/1,2	1,1/0,7	1,0/0,5
Ø 60 5	610	700	23	1,8/1,7	1,6/1,4	1,5/1,2
Ø 60 40 . 3,5	550	620	21	1,5/1,3	1,2/1,1	-
Ø 60 60 . 3,5	610	700	20	1,3/1,2	1,2/1,1	-
Ø 76 3,5	607*/650	748/788	18/19	-	-	-
12	-	1050	-	0,8***	0,6***	-

* « » , -

**KCU, KCV –
*** KCU.

U- V-

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							,	,	5, %	,	/ 2	
	t, °	° /	t, °	,	KCU ⁺²⁰	KCU ⁻⁴⁰						
-	-	920	3,0	20	600	30	515	367	20,8	54,0	0,82	0,35
	-	920	100,0	-	-	-	620	490	23,0	58,0	2,20	1,70
	1	920	70,0	20	600	40	692	560	21,0	66,7	2,03	1,17
	2	920	70,0	20	600	40	762	655	18,8	70,2	1,94	1,42
	3	920	70,0	20	600	40	810	720	17,3	67,7	1,92	1,26

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800°): (« » 320 200

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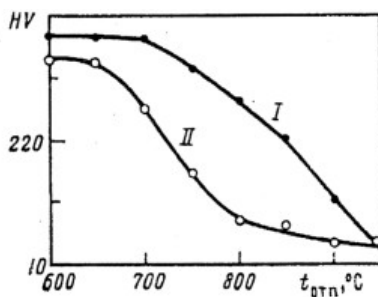
	, ,	, ,	10, %	KCU, / 2	, ,	, ,	10, %	KCU*, / 2
	338	475	33	1,7	290	365	4,5	1,1
	485	568	18,5	1,6	452	515	5,0	1,1
	610	685	21	2,0	550	665	13,0	1,4

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1 () 2 (), (1),

T, °	0,2	,	10, %
600	780 / 570	1020 / 870	12 / 10
700	680 / 470	970 / 820	16 / 21
800	530 / 230	840 / 700	20 / 33

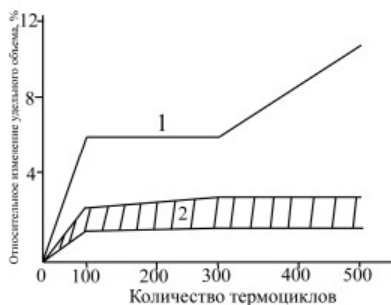
1 – 20%
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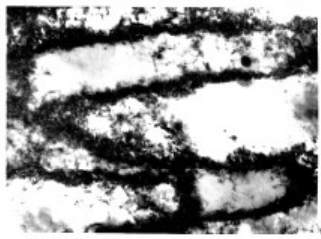
4. – (1)

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II – 20%

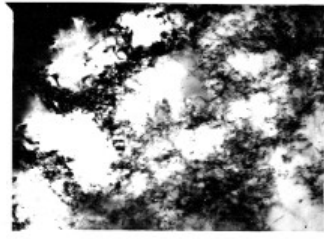
(. 6).



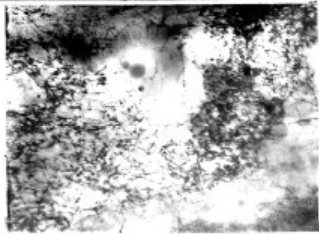
5. – : 1 – ; 2 –



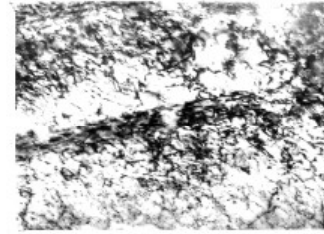
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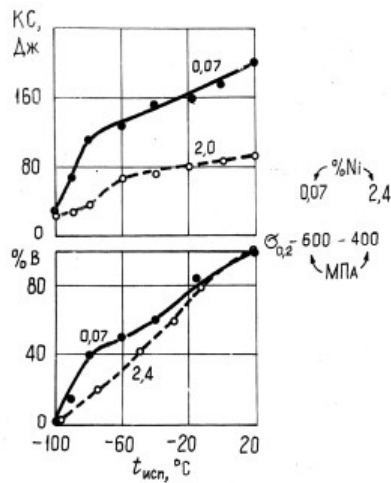
600

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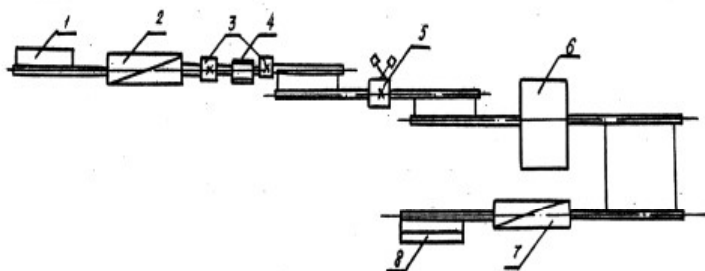
(1)

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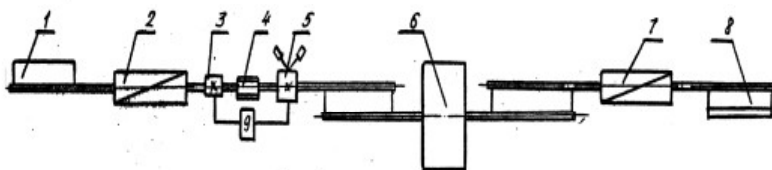
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Фиг. 1.



Фиг. 2.

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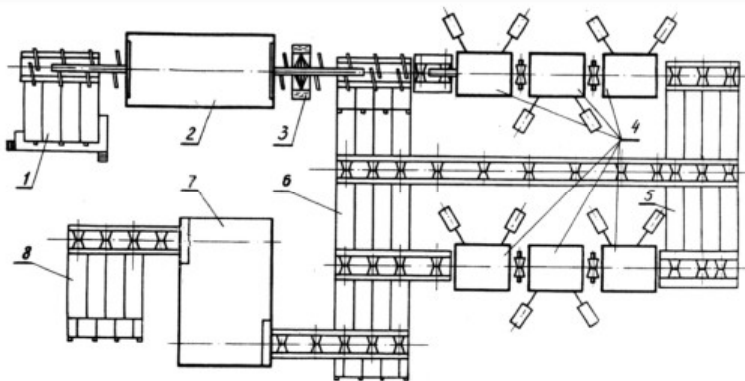
9.

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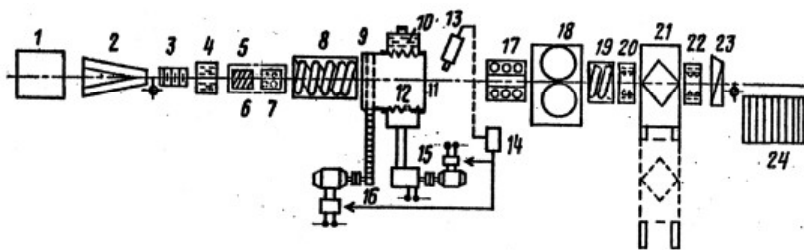
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 : 1 - ;
 2 - ; 3 - ; 4 - ;
 5, 6 - ; 7 - ; 8 -

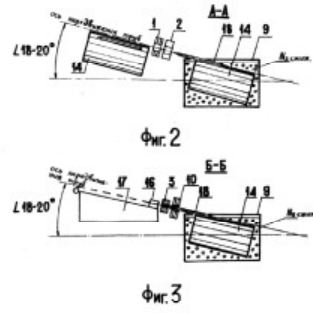
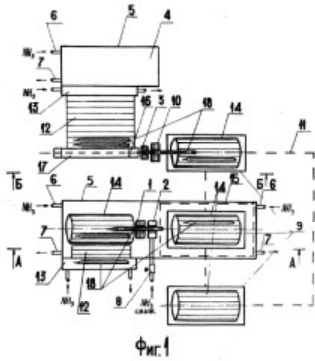
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. 11. -

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