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$$m = 20 \dots 34$$

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$$b = 600 \dots 1000$$

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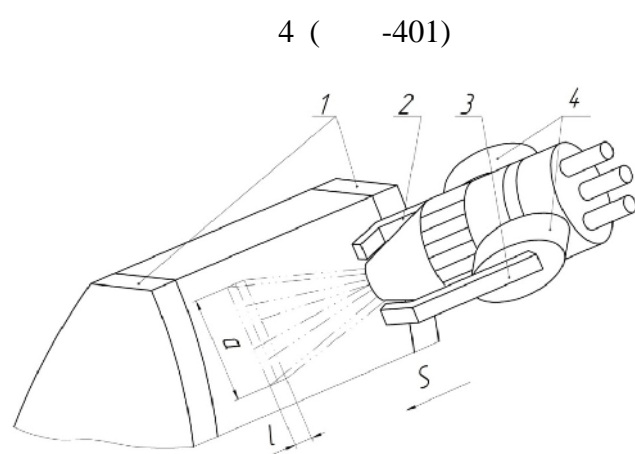
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0...60 , -401 ($d_c=6$)

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3...5

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1. ,	100...400
2. ,	110...140
3. - ,	50...1000
4. ,	6
5. ,	35...40
6. ,	5...50
7. ,	30...120
8. (), ³ /	2,5...3
9. , . /	10...100
10. ,	10...13

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 2) ,
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 3) ,
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 4) ;
 5) ,
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 6) ;
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 7) (85 %),
 , - 5 %;
 8) , ,
 , .

- 10) :
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 — , , .
 , , 1,5...2
 40...50 %.
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1. : / . . ,
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 20.02.2012.

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RESEARCH, ELABORATION AND
FOUNDATIONS OF THE RESOURCES FOR WORK
RELIABILITY OF INCREASE OF LARGE
MODULE COG-WHEELS BY PLASMA
HARDENING OF SURFACES

The features peculiarities of the surfaces plasma hardening wheels with large module technology are considered. The features of the equipment for the plasma hardening are shown. The advantages of the method for the increase of operating indices of the mining machines details are grounded.

Keywords: direct action plasmatron, plasma heating, the thermal cycle, the strengthened layer, operating indices.