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(12) **ABSTRACT OF INVENTION**

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(54) **APPARATUS FOR PRODUCING HEAT POWER, HYDROGEN AND OXYGEN**

(57) Abstract:

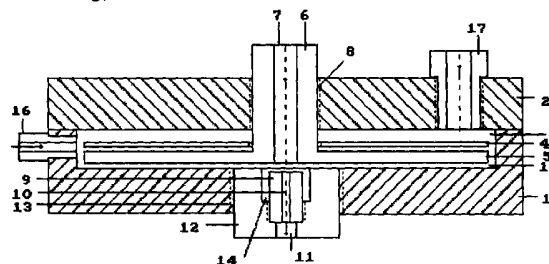
FIELD: physical-chemical processes for producing heat, hydrogen and oxygen.

SUBSTANCE: apparatus includes housing made of dielectric material, cover also made of dielectric material. Flat annular anode having no openings is mounted under dielectric cylindrical lug of anode-cathode dielectric rod and it is held by means of lock dielectric ring. Cathode is mounted in upper enlarged part of axial opening of anode-cathode dielectric rod. The last together with flat annular anode and cylindrical cathode is inserted with use of thread into axial opening of bottom of housing coaxial relative to axial opening of cover into which

branch pipe is inserted for discharge of heated solution and gases. Anode and cathode are connected to pulse type power source.

EFFECT: improved power factors of apparatus.

1 dwg, 1 tbl



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αιάκνòά ñ ðείñέει áñíáñ 4 áááááí á ñááíá ðàáðñòέά έðύòέέ 2 ññðááñòáñ ðáçúáú 8. Õέέέíáðέ+áñέέέ έáòíá 9 ñ ñááú ðááðñòέá 10 áñòááέáí á ñááíá ðááðñòέá 11 έáòíáñíá áέýέáέòðέ+áñέíá ñòáðáé 12, έíòíðúέ ññðááñòáñ ðáçúáú 13 áááááí á ñááíá ðááðñòέά íá áíá έíðíóñá 1. Έáòíá ðááðñòέά ðáçúáú 14 ñááíá ðááðñòέ 11 έáòíáñíá áέýέáέòðέ+áñέíá ñòáðáé 12. Çáçíð 15 íááéó áέýέáέòðέ+áñέέí áñí έíðíóñá 1 έ òíðóááíέ ñááðñòέ+áñέíá ðáçúáú 5 íá áñíáñ áέýέáέòðέ+áñέέí ñòáðáé 6 έçíáí áð ðááíáúáíέá áñíáñíá áέýέáέòðέ+áñέíá ñòáðáé 6 á ñááíá ññðááñòáñ ðáçúáú 8 á ñááñ ðááðñòέέ έðύòέέ 2. ðáððóáíέ 16 áέ ñáá+έ ðáñòáíðá á áñíáíóð ñέíñòú 3 óñòáñíáέáí íá áíέíáíέ ñòáíέá έíðíóñá 1. ðáððóáíέ 17 áέ áúòíáá έέñέíðíáá ðáñíñέíáá í ðááðñòέέ έðύòέέ 2.

10 Õñððíέñòá ðááíòááò ñέááóðúέí ðáçúáú. Õñòáíááέέáááòñ çáááñíúέ ðáñòíá ðáñòáíðá, ðíðíðá úáñ +áðáç óñòðíέñòá. Áέéð+ááòñ áέíέ ðέòáíέ έ óñòáíááέέáááòñ çáááñíá íáð áέíέá. ×áðáç íáñέíέúέí ðέíóð ðíðíáñ ðέíáððáááò óñòáíáέáέέέñ ðáðáέðáð. ðíñέá ýóíá çááááòñ ðááðñòέá +áñòíðá έíóέúñíá έ íá+έíááòñ ðíðíáñ ðέέñέðíááíέ ðáñòíáá ðáñòáíðá, íáð áέíέ , òíέá έ ðáçúáúέ ðáñòáíðá ðáñòáíðá íá áðíáá έ áúòíáá έç óñòðíέñòáá (ñí. ðááέ.). ðέé ýòñ ðáñòáíð ññòóíááò á áñíáíóð ñέíñòú 3, á çáðáí á úáέú 15, ááá ñá ááέñòáέáí ýέáέòðέ+áñέέð έíóέúñíá ðíέñòíáέò ñέ ðέçáòέ ñέáέóέ έ έíñíá áñáú. ðíñέá ðáçðóáíέ έð ðέíέ+áñέέð ñá çáέ έ ññέááóðúáέ áέññíòέáðέέ íááððúέ ðáñòáíð áúòíáέò +áðáç ðááðñòέá 10 á έáòíá 9 έ ñááíá ðááðñòέá 11 έáòíáñíá áέýέáέòðέ+áñέíá ñòáðáé 12. Áñíáíá áúòíáέò +áðáç ñááíá ðááðñòέá 7 áñíáñíá áέýέáέòðέ+áñέíá ñòáðáé 6. Έέñέíðíá áúòíáέò +áðáç ðáððóáíέ 17.

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Ííέáçáðáέέ	1	2	3	Ñðáá.
1-íáññá ðáñòáíðá, ðíðááááí +áðáç ðááέòíð m, έá	1,170	1,112	1,122	1,135
2-ðáñíáðáððóðá ðáñòáíðá íá áóíáá á ðááέòíð t <sub>1</sub> , áðáá.	25	25	25	25
3-ðáñíáðáððóðá ðáñòáíðá íá áúòíáá έç ðááέòíðá t <sub>2</sub> , áðáá.	44	45	45	45
4-ðáçúáúέ ðáñíáðáððóð ðáñòáíðá )t=t <sub>2</sub> -t <sub>1</sub> , áðáá.	19	20	20	20
5-áέέðáέúñòú ýέñíáðέíáíóá )τ, ñ	300	300	300	300
6-ñέáçáíέ áíέúóíáððá V, Á	4,50	4,50	4,50	4,50
7-ñέáçáíέ áñíáðáððá I, Á	2,3	2,3	2,3	2,3
8-ðáñòíá ýέáέòðíýíáðáέέ E <sub>1</sub> =I·V·)τ, έÁá	3,1	3,1	3,1	3,1
9-ýíáðáέ íááðáòíá ðáñòáíðá, Á <sub>2</sub> =4,19·m·)t, έÁá	93,14	93,19	94,02	93,45
10-ñέáçáðáέú ýóðáέέέáññòέ ðááέòíðá É=Á <sub>2</sub> /A <sub>1</sub>	30,05	30,06	30,33	30,15

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Õíðíóέá έçíáðáðáíέ

Õñòðíέñòáí áέ ñέó+áíέ ðáñέíáíέ ýíáðáέέ, áñíáíáá έ έέñέíðíáá, ñíááðááúáá έíðíóñ, áúñέíáñíúέ έç áέýέáέòðέ+áñέíá ðááðñòέáá, έðύòέέ έç áέýέáέòðέ+áñέíá ðááðñòέáá, áñíá, έáòíá έ ðáððóáíέ áέ ááíáá ðááí+ááí ðáñòáíðá, ðέέ+áðúááñ ðáí, +òí áñíá áúñέíá ðέíñέέí έíέúóááúí ááç ðááðñòέέ έ óñòáñíáέáí ñá áέýέáέòðέ+áñέέí ðέέέíáðέ+áñέέí ðέέέáñí áñíáñ-έáòíáñíá áέýέáέòðέ+áñέíá ñòáðáé έ óááðáέáááòñ ñòñíðíúí áέýέáέòðέ+áñέέí έíέúóñ, έáòíá óñòáñíáέáí á ááððíáέ óááέέ+áñíέ +áñòέ ñááíá ðááðñòέ áñíáñ-έáòíáñíá áέýέáέòðέ+áñέíá ñòáðáé , áñíáñ-έáòíáñíúέ áέýέáέòðέ+áñέέέ ñòáðáéáíú áñáñòá ñ ðέíñέέí έíέúóááúí áñíáñ έ ðέέέíáðέ+áñέέí έáòíáñí áááááí ññðááñòáñ ðáçúáú á ñááíá ðááðñòέá áíá έíðíóñá ñññíí ñ ñááú ðááðñòέáí έðύòέέ, á έíòíðíá áááááí ðáððóáíέ áέ áúòíáá ðááðñòáí ðáñòáíðá έ ááçíá, ðέé ýòñí áñíá έ έáòíá ñáñíááέíáíú έ έñòí+íέέó ðέòáíέ , ááíáðέðóðúáíó έíóέúñú.

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