

CAVITY OF CREATION FOR COLD FUSION AND GENERATION OF HEAT

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ABSTRACT

Cold fusion technologies now are being developed very successfully. The π -far infrared rays are generated from three dimensional crystallizing π -bondings of oxygen atoms in water molecules. The growing cavity in water molecules make near resonance state and a vortex of infrared rays and attracts π -far infrared rays in the water. The cavity surrounded by a lot of π -far infrared rays has a very strong gravitational field.

The π -far infrared rays are contracted into π -far infrared rays of half wave length and of one wave length. The π -far infrared rays of half wave length generate heat while π -far infrared rays of one wave length are contracted into π -gamma rays of one wave length. The contracted π -gamma rays of one wave length make nucleons and mesons, which is the creation and transmutation of matter by covalent bondings and three-dimensional crystallizing π -bondings into implosion bonding. Patterson power cell generates a very strong gravitational cavity because the electrolyzed oxygen atoms make more π -far infrared rays than in plain water.

1. PRESENT TECHNOLOGICAL SITUATIONS OF COLD FUSION AND GENERATION OF HEAT

In 1989 Stanley Pons at Utah University in USA and Martin Fleischman in England published their successes of cold fusion.

The reappearance of the phenomenon had not occurred from then to two american patents in 1994.

The fusion is different from conventional nuclear fusion about two characteristics.

First light water other than heavy water is used for the cold fusion electrolysis. Second enormous heat is generated without reducing any nuclear reactant material. The most successful Patterson

Power Cell is introduced here together with its super efficiency and transmutation on the metal cathode. The cathode is made up of thousands of small beads. It has a styrene core, copper flashing, and then thin film layers of nickel, palladium, and nickel[Ref.1].

Patterson founded Clean Energy Technology Inc. (CETI) and demonstrated a equipment at Power Gen. 95 exhibition, which input 1.4watts and output more than 1300watts. He transferred his patent NO. 5,318,675 to US Fortun 500 with one billion wons. Many communications in USA and England have introduced the Patterson cell in detail.

There have been many international conferences, International Conference on Cold Fusion in USA 1994, Third Russian Conference on Cold Fusion and Nuclear Transmutation in 1995, Symposium on Normal Temperature Nuclear Fusion in China 1996 and etc.

Particular cavitation cavity is a key point for these technologies, cold fusion, Pusmar thermogenerator, hydrosonic pump and ultrasonic thermogenerator. The temperature of the cavity is measured about 20,000°C.

2. GENERATION OF π -FAR INFRARED RAYS

The outer-most electrons of metal atoms and the remaining valence electrons of any molecular atoms make three-dimensional crystallizing π -bondings. The three-dimensional crystallizing π -bondings have many kinds of the π -bonding units as in Fig.1[Ref.2, Ref.3]. The electrons on the π -bonding orbitals rotate clockwise and counter-clockwise as in Fig.2 and they make electromagnetic waves between atoms on the orbital because electrons move between plus charged ions. The one-dimensional Kronig-Penny model is the simplified quantum mechanical model of the three-dimensional crystallizing π -bonding orbitals Fig.3[Ref.4]. Fig.4 are the variation of energy band structure with potential barrier thickness and also the π -far infrared ray, which is a particular energy dissipation mechanism of the crystallizing π -bondings. It can be remarked that the π -far infrared ray have a gravitational field and the gravitational field is one of electromagnetic fields. Fig.5 and Fig.6 are the crystallized simple cubic and face centered cubic structure but many solid state structures are going on crystallizing with the π -bonding orbitals as in Fig.1(c). The evidences of the π -far infrared rays are referred to many experiments[Ref.4] with finger's force tester, Meridian and Quantum Resonance Spectrometer(table.1).

Material	QRS index	Material	QRS index
NASUCON	+17		
AP-24 (Nuskin cosmetic)	+13		
HAND PHONE	(-)124	HAND PHONE	(+)13

		+ NASUCON	
B.B.	(-)20	B.B. + NASUCON	(+)14
NASUCON RING	(+)8		
NATURAL WATER	(+)103	NATURAL WATER + NASUCON	(+)117
TABACCO	immeasurable (-)	TABACCO + NASUCON	immeasurable (-)

* NASUCON : Protector from electro-magnetic wave made by particular chines medical
(offered by JIN SOO PARK)

Table 1. QRS index (offered by QRS inc.)

3. COLLECTION OF π -FAR INFRARED RAYS IN THE CAVITY BY NEAR RESONANCE

If a deficient atom site is produced in the three dimensional crystallizing π -bondings of water, a bunch of spherical vortexes of far infrared rays are made and then attract π -far infrared rays in the water and space. It becomes that the cavity is surrounded by a lot of π -far infrared rays and then it becomes a strong gravitational attracting field as in Fig.7.

4. CAVITY OF CREATION FOR HEAT AND COLD FUSION

The collected π -far infrared rays are absorbed spirally inwards and changed into π -far infrared ray of half wave length and π -far infrared ray of one wave length because of their bending caused by strong attracting force as in Fig.8 because smaller alternating charge is bent larger while large alternating charge is bent smaller.

Heat is generated from plus charge of π -far infrared rays of half wave length and minus charge of π -far infrared rays of half wave length as in Fig.9(a). The π -far infrared rays of one wave length are contracted to π -gamma rays of one wave length due to the strong gravitational attracting force in the cavity.

The contracted π -gamma rays of one wave length are quantum mechanically structured into nucleons and mesons, which produce creation and transmutation of material.

It seems that a cavity of very strong gravitational field make heat and creation and transmutation of matter while a cavity of less stronger gravitational field makes only heat. The needed temperature for fusion (transmutation and creation of matter) was measured in the cavity of very strong gravitational field for cold fusion[Ref.5].

The pions and nucleons are bonded for fusion and creation of matter by covalent bondings and three dimensional crystallizing π -bondings into implosion bonding[Ref.6].

Patterson power cell frequently produces the creation and transmutation because the electrolyzed oxygen atoms make more π -far infrared rays than in plain water and then generate a more stronger gravitational cavity.

5. CONCLUSIONS

- (1) Cold fusion technologies now are being developed very successfully.
- (2) The π -far infrared rays are generated from three dimensional crystallizing π -bondings of oxygen atoms in water molecules.
- (3) The growing cavity in water molecules make near resonance state and a vortex of infrared rays and attracts π -far infrared rays in the water.
- (4) The cavity surrounded by a lot of π -far infrared rays has a very strong gravitational field.
- (5) The π -far infrared rays are contracted into π -far infrared rays of half wave length and of one wave length.
- (6) The π -far infrared rays of half wave length generate heat while π -far infrared rays of one wave length are contracted into π -gamma rays of one wave length.
- (7) The contracted π -gamma rays of one wave length make nucleons and mesons, which is the creation and transmutation of matter by covalent bondings and three-dimensional crystallizing π -bondings into implosion bonding.
- (8) Patterson power cell generates a very strong gravitational cavity because the electrolyzed oxygen atoms make more π -far infrared rays than in plain water.

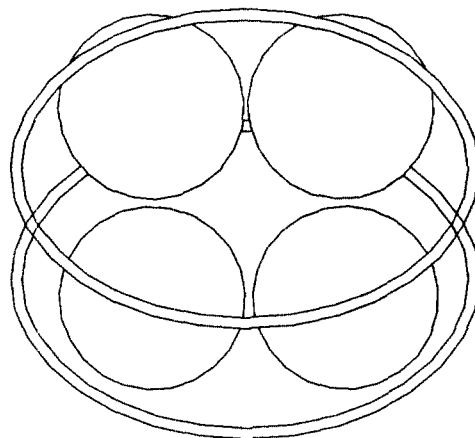
REFERENCES

1. JED ROTHWELL, "CETI's 1-Killowatt Cold Fusion Device Demonstration", Infinite Energy, Feb. 1996 page 18~24
2. HUNG-KUK OH, "CONVENTIONAL METALLIC BONDING AND THREE-DIMENSIONAL CRYSTALLIZING π -BONDINGS", NOV. 9 1995, THE KOREA SCIENCE AND ENGINEERING FOUNDATION-THE ROYAL SWEDISH ACADEMY OF ENGINEERING SCIENCE SEMINAR, page 1~2
3. HUNG-KUK OH, "BEHAVIORS OF THREE-DIMENSIONAL CRYSTALLIZING π -BONDINGS IN ENGINEERING SCIENCES", THE AJOU UNIVERSITY PRESS, 1995, ISBN 89-86161-03-793400, page 344~345, 63~68, 265~266, 282
4. HUNG-KUK OH, "THREE-DIMENSIONAL CRYSTALLIZING π -BONDING AND π -

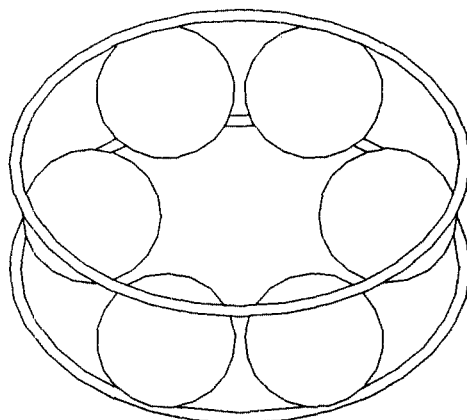
FAR INFRARED RAYS", APRIL 13 1996, PROCEEDINGS OF THE KOREAN JUNGSHIN SCIENCE SYMPOSIUM, page 82~97

5. CHANG-UK HUA, "Paradigm of international new technology and their videos", proceedings of first workshop in Korean Jungshin Science Association, 31 Aug. 1996, page 98~118

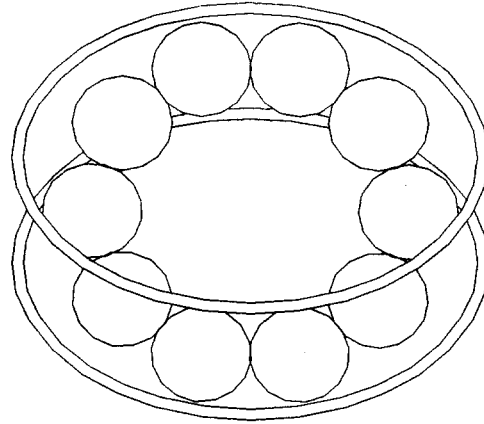
6. HUNG-KUK OH, " π -RAYS, ELEMENTARY PARTICLES AND BONDING OF NUCLEONS", OCT. 19 1996 Proceedings of the Korean Jungshin Science Symposium, page 185~205



(a) crystallized square π unit



(b) crystallized hexagonal π unit



(c) crystallizing π unit

Fig.1 Three dimensional crystallizing π -bonding units

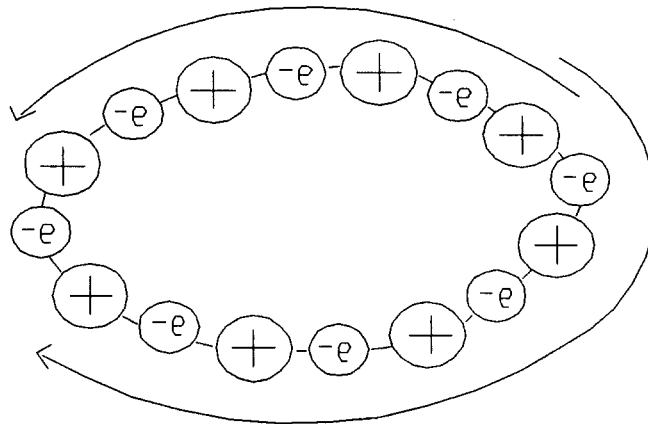


Fig.2 Electron's rotation on the π orbital and generation of π far-infrared rays

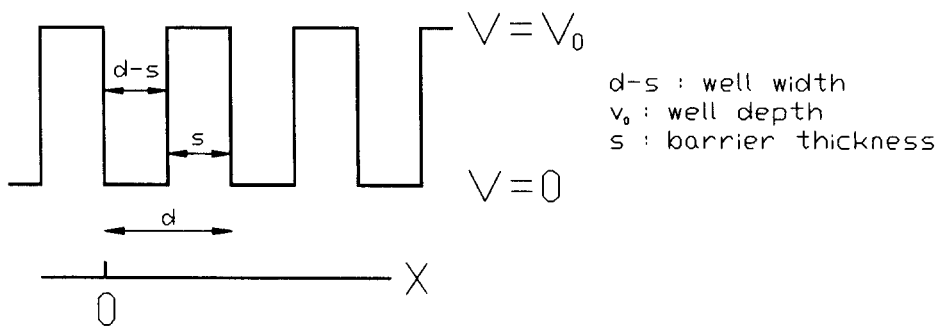
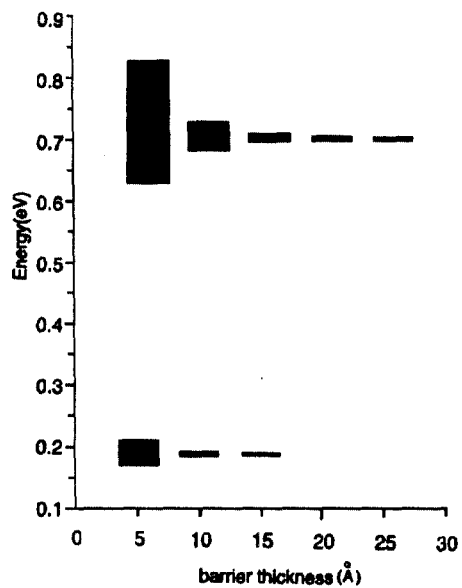
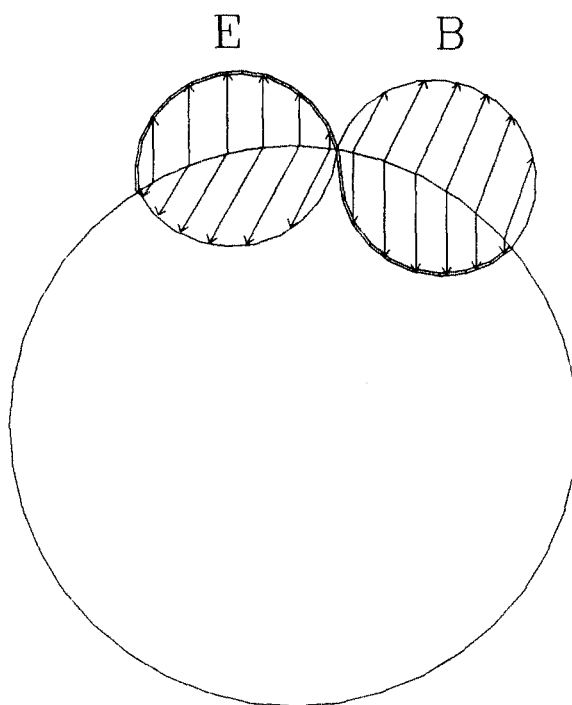


Fig.3 One dimensional Kronig-Penny Model



(a) energy band



(b) π -far infrared ray

Fig.4 Energy Bands and π -far infrared ray

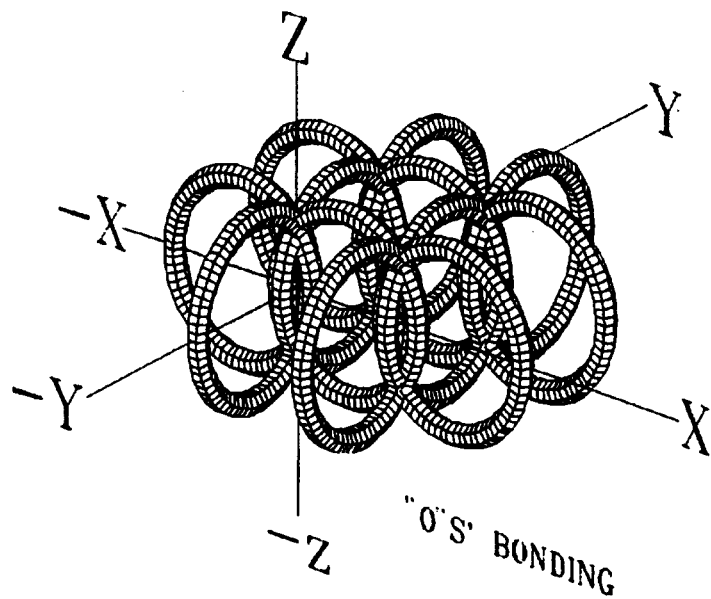


Fig.5 Simple cubic crystal structure of three-dimensional crystallizing π - bonding orbitals

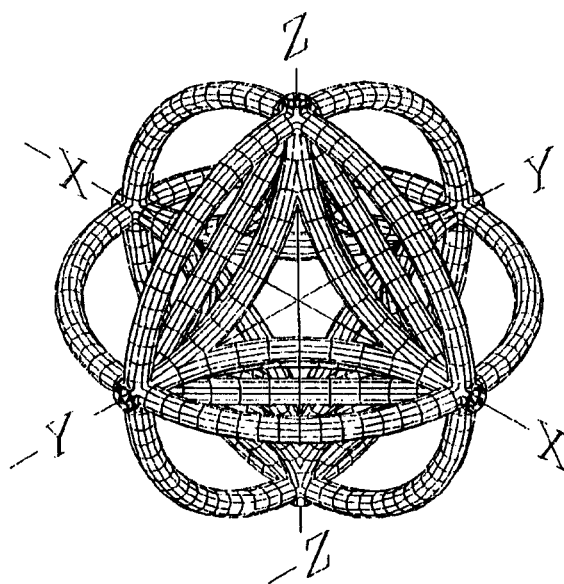


Fig.6 Face centered crystal structure of three-dimensional crystallizing π -bonding orbitals

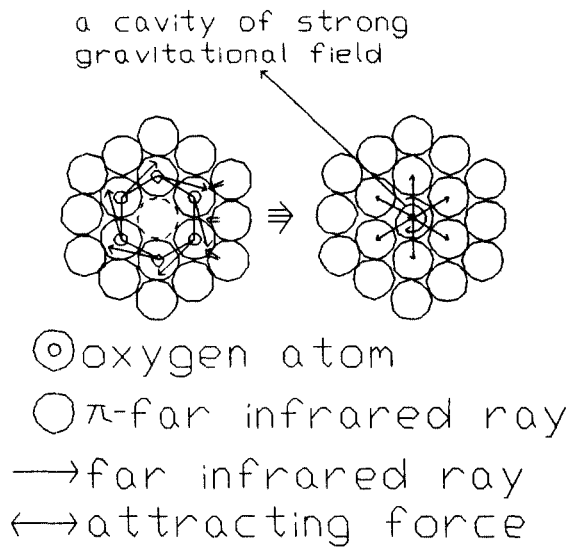


Fig. 7 A bunch of spherical vortexes of far infrared rays and a cavity of strong gravitational field

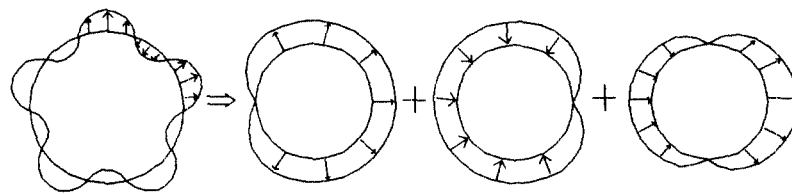
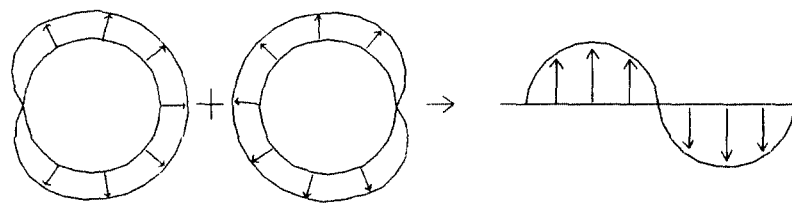
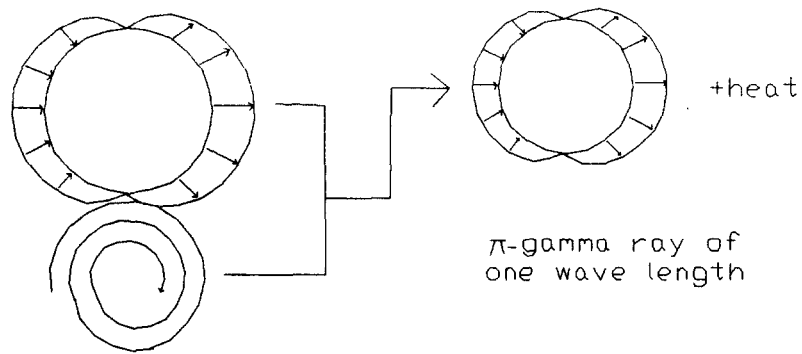


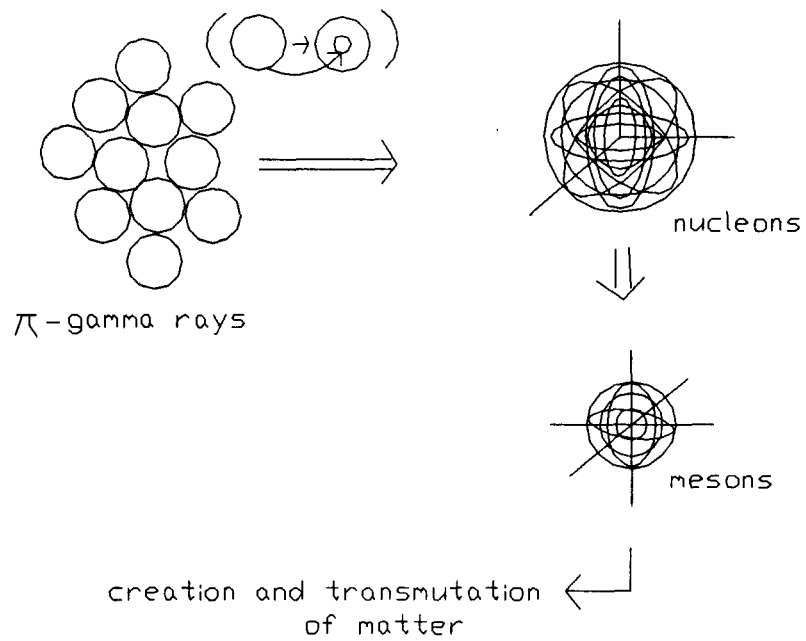
Fig.8 Bending of π -far infrared rays and producing π -far infrared ray of half wave length and one wave length



(a) generation of heat



(b) generation of π -gamma rays of one wave length and heat



(c) a lot of π -gamma rays

\Rightarrow quantum mechanical structure of nucleons and mesons

Fig.9 Generation of heat, π -gamma ray and creation of nucleons and mesons