

Introduction of garbage annihilation machine

Model number:KF-7101Z(Under the sink)/KF-7101S(Stand type) Production number:2141503-22283965 / 5214153-2275692



EIWA *****ZERO

EIWA ★ZERO 1. Compare the flow



2. Technical content and patent holder matters to product

	Authentication number	Technical name	Authentication Date 20≭≭/M /D	issuing authority
Glyn technology	GT-14-00057	Small garbage equipment and utilizing aerobic microorga nismsTreatment technology	14.04.18 [~] 16.04.17	Environment Minister
Patent	10-1485843	Garbage disposer	15.01.19 [~] 33.06.10	Patent office
Patent	10-1024561	Garbage disposal machine agitator	11.03.17 [~] 29.02.18	Patent office
Patent	10-1343535	Authentication type	13.12.13 [~] 32.01.18	Patent office
Patent	10-1357079	Connection socket for the garbage disposer	14.01.23 [~] 32.01.18	Patent office
Patent	10-1357781	Drainage system of garbage processing equipment	14.01.24 [~] 32.01.18	Patent office
Patent	10-1370014	Garbage disposer	14.02.26 [~] 32.01.18	Patent office
Patent	10-1579722	Fats and oils and cellulose biodegradable seed made deve lopment	2015.12.17	Patent office
Perform ance certification	14–267	Small garbage processing apparatus utilizing microorganisms	15.10.05~ 18.10.04	Enterprise Agency
Patent	1064258	Benzoallylureido compounds and containing the same Composition for the prevention and treatment of degener ative brain disease	11.09.05 [~] 17.09.05	Patent office
Patent	1146557	Carbon dioxide recovery unit	12.05.09 [~] 17.05.09	Patent office

EIWA ★ZERO 3. technology authentication details

1.When the garbage generated a small amount at home, aerobic microorganisms will simultaneously process decompose and annihilate the garbage and waste water by utilizing the technology.

2. Wood chip to adsorb the microorganisms to have the technology to adjust the living conditions in the sponge itself. To compare with other technology, it is less smell and no any water drainage problems and eco-conservation.

3. Electricity consumption, and other operating expenses will be in energy saving and less consumption compared with other technologies

4. Collecting and processing cost of raw garbage, friendly to the environment and to reduce the occurrence problem of leachate due to corruption during storage inside.



Dischip was adcorbed fats and sils and callulase m	[natant 10 1570722]	
Biochip was adsorbed fats and oils and cellulose m icroorganisms	[patent 10-1579722}	
Biological treatment system without cutlery, etc.	[patent 10-1370014]	
It does not need replenishment of microorganisms	Savings in maintenance costs	
No required secondary process	Prevention of 2.3 Environmental pollution caused by transport and storage	
Self-annihilation process at source	Ensure the equipment costs, the savings and conveni ence of maintenance costs	
Glyn Technology / performance is friendly to the authenticated environment	[GT-14-00057 Environment Minister]	
Electricity consumption 3KW / month	A minimum of energy use in Japan	

4. 技術の特徴



Bio-chip that has been adsorbed



Microbial FE-SEM observation that has been adsorbed

Inoculum made development that can decompose the fats and oils and cellulose of non-biodegradable.

Wood chip to the adsorption of (bio chips) and without intermediate replenishment semipermanent basis can be used.

5. product benefits / user convenience

sewage discharge



Garbage disposal took to filter

Water to wash the dishes



Everything is done, Once abandoned to sink

Annihilation process and how to use



6. Product benefits / administrator of convenience



7.Comparison of the benefits over other products

	Company A	Company B	Company C	EIWA ZERO
Brand				Telefon skir/Opr
process	Crusher	Dryer	Microbial fermentation annihilation machine	Microbial degradation a nnihilation machine
Time	Within 10 min	16-20 hours	24-120 hours	3 to 24 hours
Electricity u sage	Less than 10kw	More than 160w	125~240w	1.7~4.0w
Amount loss	0%	60%	70%	95~99%
Smell	Low	High	Mid	none
Extra products	Excess volume	40% left	30% left	ZERO
Salt annihilation	Unable	Unable	unable	More than 99%
price	\$7900~14000	\$7000	\$13000	Under the sink 15000 Stand type 11000

By applying the annihilation machine and the fats and oils and bio-chip was adsorbed made inoculum of cellulose (patent registered) technology to solve the non-biodegradable, the customer can easily to direct the installation and handling.

□ **Production process flow(picture)**

${\scriptstyle \circ}$ original sub-materials injection



• 7 steps preparation(Sub assemble)



• Body assemble











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9. Technology and quality certification

Number	Over all opinion	Basis
1	The patent of the core technology of microbial bio-chip	Biodegradable related to fats and oils and cellulose Develop a made inoculum Patent No. 10-1579722
2	Countermeasures due to contamination of foreign substances	Improve the self-installation and service to the inlet port and connection port to develop a change / stained type Patent No. 10-1485843
3	Cycle and performance effects of the life of microorganisms	 The total number of a microorganism and the results document (Short-term 3-month / medium-term 6 months / long-term 1 year) Actual condition survey to the customer who uses more than a year.
4	Whether or not the complete decomposition of the residue. Management. Processing technology.	 Disappearance test report in the chemical fusion testing laboratory (solids 18.7%, including a microorganism) Note: The legal basis of the remaining solids less than 20%
5	Core technology must be exami ned for the waste disposal syste m in the bio-chip technology	- Research papers demonstrate reduction and commercialization of household garbage processing machine liquid annihilation method

10. Comparison of the installation type and stained type

KF-7101Z

Sink installation type B

Sink installation type A

KF-801

KF-7101**S**

Stand type



1. Established a new inlet and

Sealed type trap the body.

-Easy to install than A type
To take advantage of the used water for washing
Preventing the generation of bio-plug



- 1.Trap placed to the sink. (Basic style)
- 2. can be exported to foreign countries



1. Self-install on top of the sink or where drainage is possible.

2.Volume sales can be possible with sink manufacturing company by consultation as a built-in type.

EIWA ★ZERO Thank for your attention.

