

[SS 3] extrus+ and chew and (propyleneglycol or ethyleneglycol or glycerol or glycerin+ or glycol)

Results in EPODOC 3

[SS 4] ..li



1/3 © EPODOC / EPO

PN - [CN105285305](#) A 20160203

PR - CN20151605186 20150921

AP - CN20151605186 20150921

DT - I

CT - || STSE (A)

[CN1451289](#) A 20031029 [Y] (DENGKANG MOUTH CARE ARTICLE CO [CN])

[Y] 1-7

* 说明书第1页第7行,第3页实施例4,第3页最后1段 *;

[CN101258893](#) A 20080910 [Y] (YUGUO ZHAO [CN])

[Y] 1-7

* 说明书第1页第7-8段,第1页最后1段 *;

[CN101301022](#) A 20081112 [A] (LI REN [CN])

[A] 1-7

* 全文 *;

[CN103784423](#) A 20140514 [Y] (MCNEIL PPC INC)

[Y] 1-7

* 说明书第41段 *

PA - JIACHEM DENTBIO CO LTD

TI - Chewing gum capable of whitening teeth and preparation technology of chewing gum

AB - The invention discloses chewing gum capable of whitening teeth and a making method of the chewing gum, and belongs to the field of foods and health-care products. The chewing gum mainly comprises xylitol, a gum base, calcium peroxide, calcium carbonate, silicon dioxide, arabic gum, essence, **glycerine** and lecithin, and functional components include the calcium peroxide, the calcium carbonate and the silicon dioxide, and the xylitol is the only sweetening agent. The making method comprises the following steps of separately crushing the xylitol, the calcium peroxide, the calcium carbonate and the silicon dioxide so as to obtain xylitol powder, calcium peroxide powder, calcium carbonate powder and silicon dioxide powder, screening the xylitol powder, the calcium peroxide powder, the calcium carbonate powder and the silicon dioxide powder through a 100-mesh sieve, and drying the gum base in a drying oven at 55-60 DEG C so that the gum base is softened; putting the softened gum base and the xylitol powder into a stirring machine for stirring, and sequentially adding the calcium peroxide powder, the calcium carbonate powder, the silicon dioxide powder, the essence, the **glycerine** and the lecithin into the stirring machine for uniformly stirring so as to obtain a mixture; and then performing **extrusion** and shaping through an extruder and a shaping machine, and performing coating. The chewing gum disclosed by the invention is used as a functional carrier, is quite convenient to **chew** and carry, has the efficacies of refreshing an oral cavity and whitening teeth in the process of chewing the

chewing gum, is simple, convenient and direct, is low in price and is easy to accept by common people.

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- PN - [CN103229727](#) A 20130807
- PR - CN201310176530 20130514
- AP - CN201310176530 20130514
- DT - I
- CT - || STSE (A)
[CN102823764](#) A 20121219 [A] (NONG YAQIN)
[A] 1-9
* 全文 *;
[CN1543782](#) A 20041110 [X] (WENZHOU PEIDI PET PRODUCTS CO [CN])
[X] 1-9
* 权利要求1 *;
[US6383549](#) B1 20020507 [A] (AGOSTINELLI ANTONIO [ZA])
[A] 1-9
* 全文 *;
[CN102763775](#) A 20121107 [A] (YAQIN NONG)
[A] 1-9
* 全文 *;
[CN101411407](#) A 20090422 [A] (CHONGQING MAOYUAN INDUSTRY CO [CN])
[A] 1-9
* 全文 *;
[CN1927019](#) A 20070314 [A] (GAO HONGLI [CN])
[A] 1-9
* 全文 *;
[US2007289552](#) A1 20071220 [A] (AXELROD GLEN S [US], et al)
[A] 1-9
* 全文 *;
[CN1452886](#) A 20031105 [A] (ZHANG SHIPING [CN])
[A] 1-9
* 全文 *
- PA - GAO HONGLI
- TI - Novel production method for edible injection bone for pet
- AB - The invention relates to a production method for an **extrusion** injection bone for a pet. According to the production method, cowhide, pigskin, fish skin crushed particles, meat and bone meal, muddy flesh, **glycerol** and natural perfume are served as principal raw materials; the cowhide, the pigskin and the fish skin particles are soaked in water; or fresh skin of cattle, pigs and fish are ground into skin particles with the size of 10 to 12 meshes through a meat grinder; the skin particles are ground into skin mud through a bone mud machine; the skin mud is stirred into skin glue in a kneading machine with a high temperature and is continued to be stirred after the meat and bone meal, animal protein powder and the **glycerol** are added into the kneading machine; materials are took out from the kneading machine to perform air drying and cut into small blocks; the small blocks are extruded and granulated into particles through a granulating machine; and injection molding is performed on the particles through an injection molding

machine after being dried. Compared with the common pet teeth cleaning bone, the edible injection bone for the pet has the advantages of being rich in nutrition, having special aroma of the skin, the meat and the bone, taking functions of food tempting, dental caring and oral cavity cleaning and being high in tenacity, easy to digest, free of starch adding, high in compactness, low in moisture and capable of being performed as snacks for the pet to clean the teeth and **chew**.

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PN - [KR20090100817](#) A 20090924

PNFP - KR100970505B B1 20100716

PR - KR20080026267 20080321

AP - KR20080026267 20080321

DT - I

CT - || STSE (B1)
[EP1602285](#) A1 20051207 [] (GAINES TREATS LTD [IE]);
[JPH05255055](#) A 19931005 [];
[US6455083](#) B1 20020924 [] (WANG SHU HUAN [US])

CNOI - (A)
[A23K40/00](#) ; [A23K50/40](#)

PA - (A)
 CHO DONG JIN [KR]

TI - (A)
 PET **chew** TREAT MANUFACTURING METHOD
 - (B1)
 Pet **chew** treat manufacturing method

AB - (A)
 PURPOSE: A method for preparing a dog gum in which gluten and **glycerol** are uniformly mixed is provided to mold the dog gum by a uniaxial **extrusion** molding machine.
 CONSTITUTION: A method for preparing a dog gum comprises the following steps of: mixing raw materials including gluten; supplying the raw materials to an air current mixing portion(51) where the speed of the air is most fastest in a venture tube(5); supplying the raw materials to the air current mixing portion through a powder quantitative feeder with time; and supplying **glycerol** serving as a plasticizer to the air current mixing portion such that the gluten is mixed with the **glycerol**.