(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
26 April 2007 (26.04.2007)

PCT

(10) International Publication Number
WO 2007/046650 A1

(51) International Patent Classification:
C12N 1/00 (2006.01) *C12N 1/20* (2006.01)
C12N 1/16 (2006.01)

(21) International Application Number:
PCT/KR2006/004270

(22) International Filing Date: 19 October 2006 (19.10.2006)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2005-0099940 22 October 2005 (22.10.2005) KR
10-2005-0103923 1 November 2005 (01.11.2005) KR
10-2006-0093709 26 September 2006 (26.09.2006) KR
10-2006-0093724 26 September 2006 (26.09.2006) KR
10-2006-0093713 26 September 2006 (26.09.2006) KR
10-2006-0094706 28 September 2006 (28.09.2006) KR
10-2006-0094687 28 September 2006 (28.09.2006) KR
10-2006-0098303 10 October 2006 (10.10.2006) KR

(71) Applicant and
(72) Inventor: **PARK, Se Joon** [KR/KR]; A-1303, Acrovista, Seocho 4-dong, Seocho-gu, Seoul 137-921 (KR).

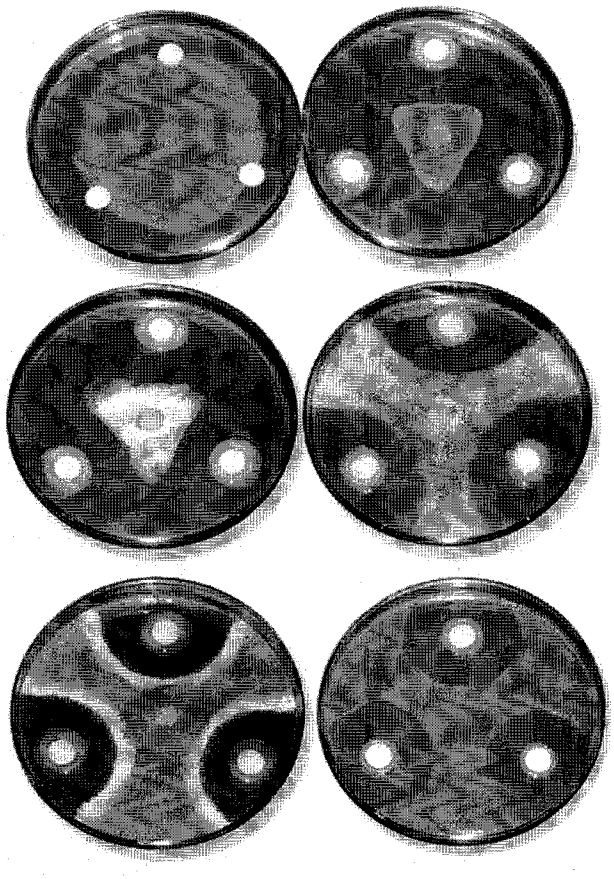
(74) Agent: **LEE, Cheo Young**; 11th Floor Won Bldg., 648-26, Yeoksam-dong, Gangnam-gu, Seoul 135-080 (KR).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: MICROORGANISMS HAVING BAD SMELL REMOVAL ACTIVITY OF ORGANIC WASTE AND USE THEREOF



(57) Abstract: The present invention relates to novel microorganisms having the efficiency of removing an offensive odor from organic waste and the use thereof. More particularly, the novel microorganisms have the effects of preventing or removing the offensive odor from organic waste, killing insects and fungi, preventing decomposition, and promoting digestion and fermentation. The inventive microorganisms have the effects of preventing or removing the offensive odor from organic waste and killing noxious insects and plant pathogenic fungi, can be used as feed additives and antibiotic substitutes, and also are useful for the preparation of fermented healthy foods.

WO 2007/046650 A1

ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report*

— *with sequence listing part of description published separately in electronic form and available upon request from the International Bureau*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.