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- (81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, 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, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
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- Published:**
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- (54) **Title:** SOIL BACTERIA CONTAINING FERTILIZER AND METHOD FOR ITS PREPARATION

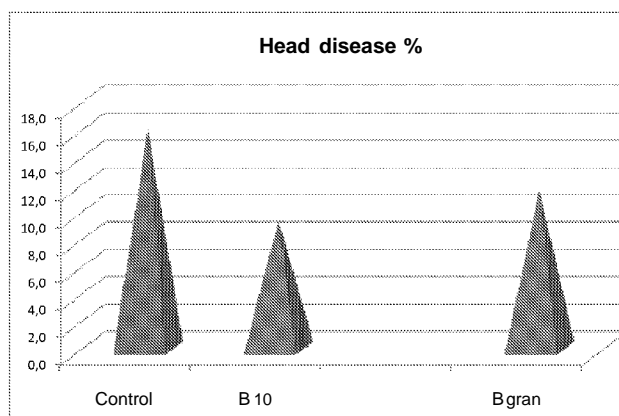


Fig. 3

- (57) **Abstract:** The present invention relates to immobilizing, culturing and granulating live microorganisms on solid carriers. More particularly the present invention relates to a method for the preparation of fertilizers comprising the steps of applying soil bacteria maintained in liquid culture medium onto a solid carrier; increasing the oxygen level in the environment of the carrier by gas injection; maintaining the support at a predetermined temperature to allow the proliferation of the soil bacteria; drying the fertilizer to a predetermined humidity by controlling the mixing and gas injection; and optionally granulating the product. The present invention also relates to the fertilizer obtained by this method and containing at least 10^9 cell/g soil bacteria. The soil bacteria are selected from the group consisting of *Azospirillum brasilense* ssp. SW5 1 (NCAIM IPI B 001293); *Azotobacter vinelandii* ssp. M657 (NCAIM IPI B 001292); *Pseudomonas fluoresceins* var. SW1 1 (NCAIM IPI B 001296); *Bacillus polymyxa* var. SW17 (NCAIM IPI B 001295); *Bacillus megaterium* var. M326 (NCAIM IPI B 001291), *Micrococcus roseus* sp. A21 (NCAIM IPI B 001294); *Azospirillum lipoferum* (AL); *Bacillus circulans* (B. cir.) and/or *Streptomyces albus* var. 0003 LP (NCAIM IPI B 001301).



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A. CLASSIFICATION OF SUBJECT MATTER
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 ADD.
 According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED
 Minimum documentation searched (classification system followed by classification symbols)
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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal , BIOSIS, COMPENDEX, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 6 197 573 B1 (SURYANARAYAN SHRI KUMAR [IN] ET AL) 6 March 2001 (2001-03-06) cited in the application column 4, line 67 - column 5, line 3 column 5, line 35 - column 6, line 33 claims 58,59 , 62,64,69 examples 2,3,4	1-5
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Further documents are listed in the continuation of Box C.

See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 12 June 2012	Date of mailing of the international search report 22/06/2012
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Rodriguez Fontao, M
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INTERNATIONAL SEARCH REPORT

International application No
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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