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(21) International Application Number: PCT/JP97/01359 (22) International Filing Date: 18 April 1997 (18.04.97) (30) Priority Data: 8/100466 22 April 1996 (22.04.96) JP (71) Applicant (for all designated States except US): TOYOTA JIDOSHA KABUSHIKI KAISHA [JP/JP]; 1, Toyota-cho, Toyota-shi, Aichi 471-71 (JP). (72) Inventors; and (75) Inventors/Applicants (for US only): NAKAYAMA, Mika [JP/JP]; 5-1215-316, Sakashita-cho, Kasugai-shi, Aichi 480-03 (JP); MIYAZAKI, Chie [JP/JP]; 973-223, Minamiyama, Komenogi-cho, Nishin-shi, Aichi 470-01 (JP); SASAMI, Osamu [JP/JP]; 8-1, Aza Togo, Oaza Higashino, Konan-shi, Aichi 483 (JP); YAMADA, Yukio [JP/JP]; 2-65, Teramae-cho, Tsushima-shi, Aichi 496 (JP); NUMATA, Koichi [JP/JP]; 1-98, Horagai, Midori-ku, Nagoya-shi, Aichi 458 (JP); ODA, Yasushi [JP/JP]; 522-4217, Toyota-cho, Toyota-shi, Aichi 471 (JP). (74) Agents: ISHIDA, Takashi et al.; A. Aoki & Associates, Toranomon 37 Mori Building, 5-1, Toranomon 3-chome, Minato-ku, Tokyo 105 (JP).	(81) Designated States: CA, CN, KR, SG, US, VN, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	
(54) Title: MICROORGANISMS THAT DECOMPOSE HALOGENATED HYDROCARBONS AND THEIR USE		
(57) Abstract Microorganisms belonging to the genus Burkholderia and having the ability to decompose halogenated hydrocarbon, which are able to decompose 50 % or more of 100 ppm of trichloroethylene in 2 days, or decompose 100 % of 30 ppm of trichloroethylene in 18 hours, as well as providing a process for decomposing halogenated hydrocarbons in water or soil using those microorganisms.		