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(54) Title: A METHOD OF STRAIN DEVELOPMENT

(57) Abstract: The invention is related to a method of development and selection of baker's yeast strains that can exhibit high raising activity in sweet and/or lean dough in the bakery and pastry industries, the method comprises the steps of; (i) developing the baker's yeast strain, preferably with the process of multiple crossing, by using the combination of one or more than one of the mutagenesis, evolutionary engineering, asexual hybridization, recombinant DNA technology and sexual hybridization methods; (ii) preparing the synthetic or flour-based selective nutrient medium, preferably the synthetic nutrient medium having a sugar content of 0%, 15% and/or 25%, and incubating the strains developed in multiple well plates inside the nutrient medium prepared; (iii) scanning the strains incubated by using a high-resolution optical scanner, or by the naked eye or a device with a spectrophotometric reader, preferably by using a high-resolution optical scanner, and selecting the strains that perform the best acidification which is to be determined based on the results of the analysis.



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A. CLASSIFICATION OF SUBJECT MATTER A21D 8/04 (2006.01)i; C12N 1/18 (2006.01)i 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) A21D; C12N Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched TURKPATENT Database Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPODOC, WPI, EPO English Full-text databases		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
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Y	CA 2012090 C (NAT FOOD RESEARCH INST MINISTR [JP]) 25 March 1997 (1997-03-25) Abstract, description	1,10,11
Y	Maresová, Lydie & Sychrova, Hana. (2007). Applications of a microplate reader in yeast physiology research. BioTechniques. 43. 667-72. 10.2144/000112620.	1,10,11
A	US 10015972 B2 (LESAFFRE & CIE [FR]) 10 July 2018 (2018-07-10) The whole document	1-11
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