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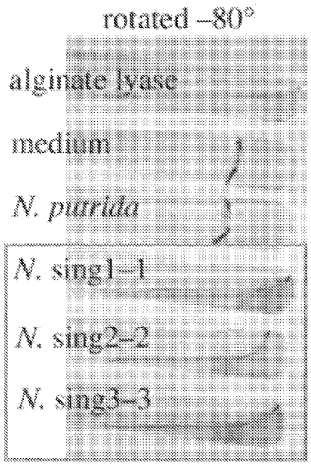
(54) Title: BATCH FERMENTATION WITH *NITZSCHIA. SING1* DIATOMS CONVERTS ALGINATE INTO OILS

(57) Abstract: This invention relates to a method for producing oil for food and/or fuel application from apochlorotic Nitzschia sp. diatoms grown in batch fermentation using supplemented or synthetic seawater and alginate as feedstock. More particularly, the invention relates to the use of an 5 isolated Nitzcshia sp., designated N. sing1-1 (or N. sing1), deposited under the terms of the Budapest Treaty with CCAP accession number CCAP 1052/27.

Figure 2

B



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