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(54) **Title**: METHOD FOR PRODUCING LIPID

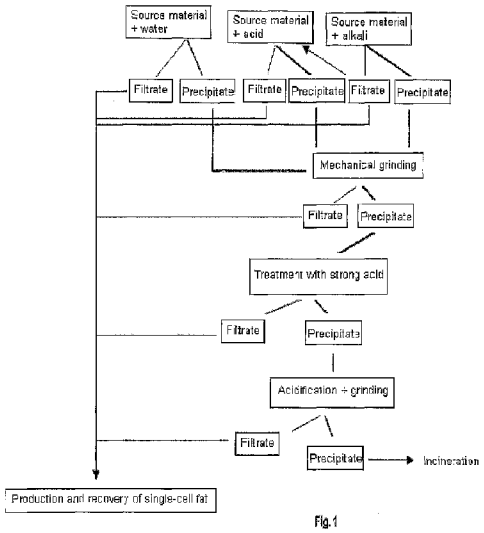


Fig.1

(57) **Abstract**: The invention relates to a method for forming a lipid or a lipid mixture from an organic source material comprising cellulose, hemicellulose, starch, non-starch polysaccharide, any mixture thereof or degradation products thereof. According to the method, the source material is treated one or more times with water, an aqueous solution of acid or alkali, and the precipitate and the filtrate are separated. The precipitate obtained from the treatments mentioned above can be subjected to mechanical or thermo-mechanical grinding, or the precipitate can be treated with a strong acid, or the precipitate can be acidified and ground mechanically or thermo-mechanically. After the treatments, the precipitate and the filtrate are separated. A lipid-producing microorganism is contacted with the source material or the obtained filtrate(s) in a culture medium, whereby the microorganism cells begin to produce lipid, and the lipids are recovered.

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