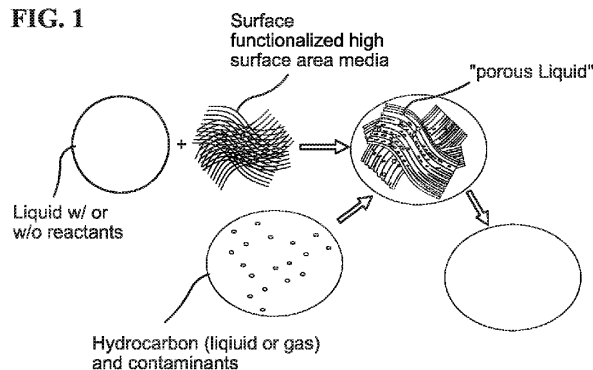




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(54) **Title:** HIGH SURFACE AREA SOLIDS AND APPLICATION OF THESE SOLIDS IN METHODS FOR ENABLING LIQUID-BASED EXTRACTION OR ENZYMATIC REACTIONS

FIG. 1



(57) **Abstract:** The present disclosure relates to a porous liquid or a porous liquid enzyme that includes a high surface area solid and a liquid film substantially covering the high surface area solid. The porous liquid or porous liquid enzyme may be contacted with a fluid that is immiscible with the liquid film such that a liquid-fluid interface is formed. The liquid film may facilitate mass transfer of a substance or substrate across the liquid-fluid interface. The present disclosure also provides methods of performing liquid-based extractions and enzymatic reactions utilizing the porous liquid or porous liquid enzyme of the present disclosure.

[Continued on next page]

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