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(71) Applicant: **PAEBBL AB** [SE/SE]; Kungsgatan 10, 111 43 Stockholm (SE).

(72) Inventor: **ESKENS, Louk**; Burgplantsoen 31, 1705ER Heerhugowaard (NL).

(74) Agent: **BRANN AB**; P.O. Box 3690, 103 59 Stockholm (SE).

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(54) Title: CONTINUOUS COUNTERFLOW REACTOR

(57) Abstract: The present patent disclosure concerns a method and a counterflow reactor system for allowing an abrasive slurry to react with a fluid. The counterflow reactor system comprising a counterflow reactor comprising a slurry inlet at a first side of the counterflow reactor, a slurry outlet at a second side of the counterflow reactor, opposite the first side, and a fluid inlet configured to introduce the fluid into the counterflow reactor and such that, when in use, at least a part of the introduced fluid flows in a direction opposite to a flow of the abrasive slurry. The method comprising the steps of introducing an abrasive slurry through the slurry inlet, introducing a fluid through the fluid inlet, allowing the abrasive slurry to flow through the counterflow reactor from the slurry inlet towards the slurry outlet, and allowing at least a part of the introduced fluid to counterflow with respect to the flow of the abrasive slurry, and to react with the abrasive slurry.

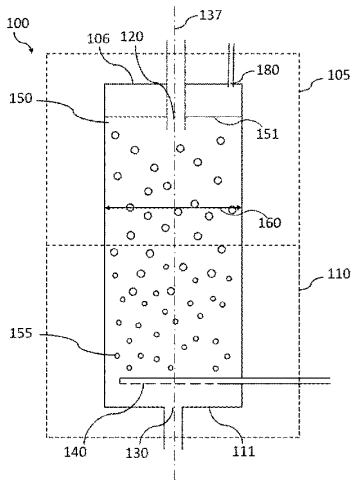

Figure 1

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