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- (71) **Applicant** (for all designated States except US): **CAMERON INTERNATIONAL CORPORATION** [—/US];
1333 West Loop South, Suite 1700, Houston, Texas 77027 (US).
- (72) **Inventor; and**
- (75) **Inventor/Applicant** (for US only): **HOPPER, Hans P.** [GB/GB]; Hillhouse, Whiterashes Aberdeenshire AB21 0QL (GB).
- (74) **Agent:** **ROSE, Collin A.**; Chamberlain, Hrdlicka, White, Williams & Aughtry, 1200 Smith St., 14th Floor, Houston, Texas 77002 (US).
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(54) **Title:** APPARATUS AND METHOD FOR FLUID SEPARATION

(57) **Abstract:** An apparatus for controlling the flow of a first fluid stream within a bulk rotating fluid stream is disclosed, the apparatus comprising a fluid flow region having a longitudinal axis, within which a rotating flow of fluid may be established; a flow guide having a convex outer surface disposed centrally within the fluid flow region, the convex outer surface of the flow guide extending parallel to the longitudinal axis of the fluid flow region, the convex surface being shaped to induce a spiral coanda effect in the flow of the first fluid stream over the flow guide.



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