SG9961170 3

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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : **B01J 19/26, 19/24, 12/00, B01F 5/02, B01J 4/00** — **A1**

(11) International Publication Number: **WO 96/00126**

(43) International Publication Date: 4 January 1996 (04.01.96)

(21) International Application Number: PCT/EP95/02400

(22) International Filing Date: 20 June 1995 (20.06.95)

(30) Priority Data:
08/264,825 25 June 1994 (25.06.94) US

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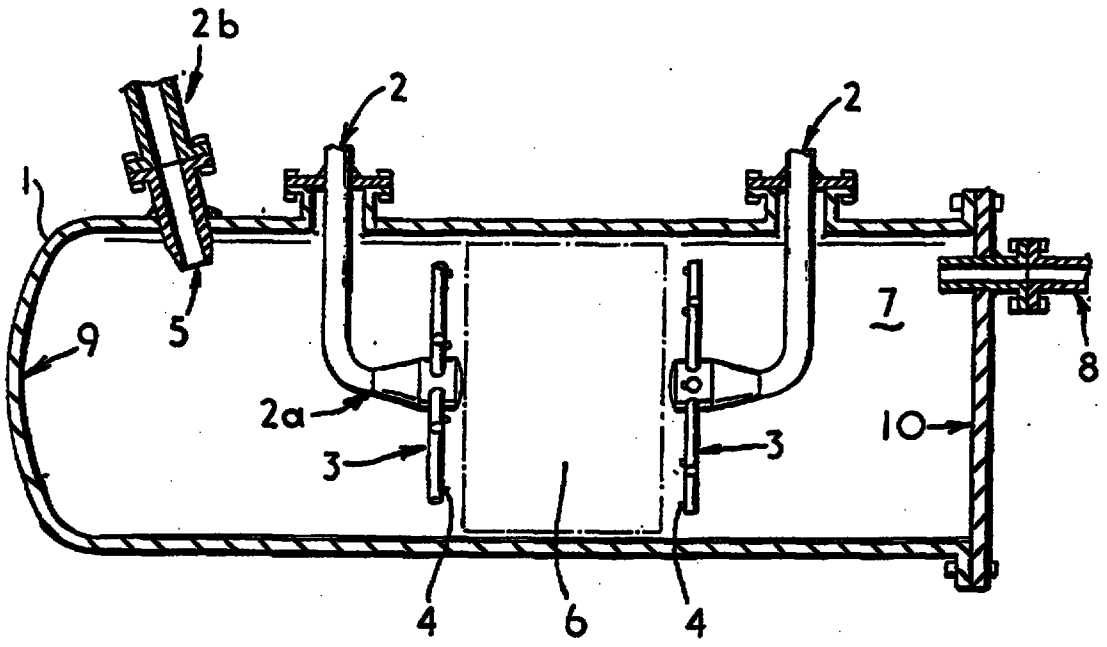
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(81) Designated States: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TT, UA, UZ, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG), ARIPO patent (KE, MW, SD, SZ, UG).

Published
With international search report.

RTMP copy

(54) Title: CYCLONIC REACTOR



(57) Abstract

A reactor (1) having one or more reactant inlets (2a) to which spargers (3) are affixed and one or more reactant inlets (2b) each having an injection jet (5) is presented. Reactants are introduced into the reactor (1) through the spargers (3) and jets (5) under conditions in which a three-dimensional cyclonic character is created in a well mixed reaction zone (6). This, together with the energy with which the reactants are introduced into the reaction zone (6), facilitates both macromixing and micromixing phenomena. The reactor (1) is particularly useful for reacting chlorine and propylene to obtain allyl chloride.

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