

Title (en)
REACTOR MIXING ASSEMBLY AND METHOD

Title (de)
ZUSAMMENSTELLUNG AUS REAKTOR UND MISCHER UND VERFAHREN

Title (fr)
ENSEMBLE REACTEUR MELANGEUR ET MÉTHODE

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Application
EP 98924882 A 19980526

Priority
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Abstract (en)
[origin: WO9916539A1] A continuous dynamic mixing assembly (61) includes a mixing chamber (16) having an inner wall which is generally symmetrical about a central axis. At least one first fluid inlet (18) introduces first fluid material into the mixing chamber (16). At least one second fluid inlet (22) introduces second fluid material into the mixing chamber (16). At least one outlet (20) permits fluid to leave the mixing chamber (16). First baffles (24) extend along the inner wall generally parallel to the axis for disrupting fluid flow generally circumferentially in the mixing chamber (16). Second baffles (26) extend generally transverse to the axis for disrupting fluid flow generally axially in the mixing chamber (16). A rotatable agitator (30) includes a cylindrical central portion (32) extending in the mixing chamber (16) along the axis and has at least one blade (34) having a twisted orientation on the central portion (32). A relative arrangement among the baffles (24, 26) and the agitator (30) enable residence time of fluid in the reactor to be selectively adjusted.

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