

Title (en)

Method and apparatus for the continuous mixing of a droplet dispersion in a liquid

Title (de)

Verfahren und Vorrichtung zur kontinuierlichen Vermischung einer Tröpfchendisersion mit einer Flüssigkeit

Title (fr)

Méthode et dispositif pour la fabrication d'une dispersion de gouttelettes dans un liquide

Publication

EP 0901810 B1 20030212 (DE)

Application

EP 98115928 A 19980824

Priority

DE 19738870 A 19970905

Abstract (en)

[origin: EP0901810A2] Fluid is injected through fine nozzles (4) into a container through which the droplet dispersion flows. The energy of the jet streams is dissipated within a short distance from the injection point and mixing is enhanced by the circulating flow produced in the container at shear speeds below 20/second. An Independent claim is also included for the apparatus for the above process comprising a cylindrical container with a central inlet (2) for a droplet dispersion and small diameter nozzles (4) which enter the container perpendicular to the container axis and at the level of the dispersion inlet tube.

IPC 1-7

B01F 5/04

IPC 8 full level

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CPC (source: EP US)

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EP 0901810 A2 19990317; **EP 0901810 A3 20010207**; **EP 0901810 B1 20030212**; DE 19738870 A1 19990318; DE 59807165 D1 20030320; HU 9802004 D0 19981228; HU P9802004 A2 19990428; HU P9802004 A3 20000628; JP H11137985 A 19990525; US 6102309 A 20000815; US 6170761 B1 20010109

DOCDB simple family (application)

EP 98115928 A 19980824; DE 19738870 A 19970905; DE 59807165 T 19980824; HU P9802004 A 19980903; JP 25910798 A 19980831; US 14802198 A 19980903; US 36185099 A 19990727