

Title (en)

DEVICE FOR ULTRASONIC DISPERSION OF A LIQUID MEDIUM.

Title (de)

ANORDNUNG FÜR ULTRASCHALLDISPERSION EINES FLÜSSIGEN MEDIUMS.

Title (fr)

DISPOSITIF DE DISPERSION ULTRASONIQUE D'UN MILIEU LIQUIDE.

Publication

EP 0416106 A1 19910313 (EN)

Application

EP 89907373 A 19890327

Priority

SU 8900078 W 19890327

Abstract (en)

A device for ultrasonic dispersion of a liquid medium comprises an ultrasonic radiator (1) with a concentrator (2), a main (3) and a subsidiary (6) support bushing mounted, respectively on the ultrasonic radiator (1), on the concentrator (2) and on its end part (4). The main support bushing (3) is kinematically connected to at least two sleeves (8, 9, 10) for feeding the liquid medium, each of them being connected to a corresponding hollow rod (20, 21, 22) connected to a corresponding radial channel (23, 24, 25) of the subsidiary bushing (6), and to a valve (33, 34, 35) for regulation of the liquid medium flow mounted on the subsidiary support bushing (5).

Abstract (fr)

Un dispositif de dispersion ultrasonique d'un milieu liquide, comprend un radiateur ultrasonique (1) doté d'un concentrateur (2), des raccords de support principal (3) et auxiliaire (6), montés respectivement sur ledit radiateur ultrasonique (1), sur le concentrateur (2) et sur sa partie terminale (4). Ledit raccord de support principal (3) est relié cinématiquement à au moins deux manchons (8, 9, 10) d'alimentation en milieu liquide, chacun d'eux étant relié à une barre creuse correspondante (20, 21, 22), raccordée à un canal radial correspondant (23, 24, 25) dudit raccord auxiliaire (6), ainsi qu'à une vanne (33, 34, 35) de régulation de l'écoulement du milieu liquide, monté sur le raccord de support auxiliaire (5).

IPC 1-7

B05B 17/06

IPC 8 full level

B05B 17/06 (2006.01)

CPC (source: EP)

B05B 17/0623 (2013.01)

Cited by

US2017120285A1; EP0638001A4; EP1322275A4; US7846341B2; US7901388B2; US7842249B2; US7943352B2; US7830070B2; US11583885B2; US12030076B2; US10239085B2; US11253885B2; US7896854B2; US7896855B2; US11224767B2; US11331520B2

Designated contracting state (EPC)

DE FR GB IT NL SE

DOCDB simple family (publication)

WO 9011135 A1 19901004; EP 0416106 A1 19910313; EP 0416106 A4 19920311; JP H03504821 A 19911024; JP H0560986 B2 19930903

DOCDB simple family (application)

SU 8900078 W 19890327; EP 89907373 A 19890327; JP 50677789 A 19890327