

Title (en)
APPARATUS FOR COUNTERCURRENT DISTRIBUTION/MULTIPLE SEDIMENTATION.

Title (de)
GERÄT ZUR GEGENSTROMVERTEILUNG/MEHRFACHEN SEDIMENTATION.

Title (fr)
APPAREIL DE DISTRIBUTION A CONTRE-COURANT/SEDIMENTATION MULTIPLE.

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Application
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Abstract (en)
[origin: WO8203188A1] An apparatus for countercurrent distribution in a liquid two-phase system or for multiple sedimentation of suspended particles from a liquid has a rotary device (6) for, respectively, distribution and sedimentation, said device consisting of two parts, i.e. an annular housing (7) and a cylindrical body (8) disposed concentrically therein, said parts being rotatable relative to one another and having opposed working faces (30, 31) forming a number of working cells (32) uniformly distributed about the axis of rotation of said device for, respectively, distribution and sedimentation, at least one of said working cells containing, respectively, the substance to be distributed and the particles suspended in the liquid, while the other working cells merely contain the two-phase system and the liquid, respectively. One part (7) is non-rotatably connected with a rotatable shaft (3), and the other part (8) is coupled to a turning device (10) which, during rotation of said device (6) for, respectively, distribution and sedimentation, is adapted to turn the other part (8) relative to said first part (7) through an angle corresponding to the spacing between two working cells (32).

Abstract (fr)
Un appareil de distribution a contre-courant dans un systeme liquide a deux phases, ou de sedimentation multiple de particules suspendues depuis un liquide, possede un dispositif rotatif (6) pour, respectivement, la distribution et la sedimentation, ce dispositif consistant en deux parties, a savoir une enceinte annulaire (7) et un corps cylindrique (8) dispose concentriquement a l'interieur de l'enceinte, ces parties etant rotatives l'une par rapport a l'autre et ayant des faces de travail opposees (30, 31) formant plusieurs cellules de travail (32) distribuees uniformement autour de l'axe de rotation de ce dispositif pour, respectivement, la distribution et la sedimentation, au moins l'une de ces cellules de travail contenant, respectivement, la substance a distribuer et les particules suspendues dans le liquide, tandis que les autres cellules de travail contiennent simplement le systeme a deux phases et le liquide, respectivement. Une partie (7) est reliee de maniere non rotative a un arbre rotatif (3), et l'autre partie (8) est couplee a un dispositif de tournage (10) qui, pendant la rotation du dispositif (6) pour, respectivement, la distribution et la sedimentation, est concu pour faire tourner l'autre partie (8) par rapport a cette premiere partie (7) d'un angle correspondant a l'espacement entre deux cellules de travail (32).

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