

Title (en)

DIPPING TUBE FOR SEPARATORS OF MIXED SUBSTANCES.

Title (de)

TAUCHROHR FÜR VORRICHTUNGEN ZUM AUFTRENNEN VON STOFFGEMENGEN.

Title (fr)

TUBE PLONGEUR POUR SEPARATEUR DE MELANGES DE SUBSTANCES.

Publication

EP 0560863 B1 19940727 (DE)

Application

EP 92900797 A 19911211

Priority

- AT 252990 A 19901213
- AT 9100127 W 19911211

Abstract (en)

[origin: WO9210300A1] A guide (2) is provided on a dipping tube (1) that projects into the separating chamber of a device for separating mixtures of a liquid or gaseous medium and a liquid or solid substance, under the effect of centrifugal forces, and through which the medium is discharged from the device. The guide (2) is composed of at least one baffle plate (3) shaped as a truncated cone envelope, whose axis of curvature (4) is parallel and offset with respect to the axis (5) of the dipping tube (1). The guide (2) directs the medium in the dipping tube (1) at the same time as the energy of flow is recycled as compression energy, while the medium is axially accelerated in its outflowing direction and in the direction of the axis (5) of the dipping tube.

IPC 1-7

B04C 5/13; **B04C 5/103**; **B01D 45/12**

IPC 8 full level

B01D 45/12 (2006.01); **B01D 45/16** (2006.01); **B04C 5/02** (2006.01); **B04C 5/103** (2006.01); **B04C 5/13** (2006.01); **B04C 7/00** (2006.01); **G01N 1/10** (2006.01); **G01N 30/10** (2006.01)

IPC 8 main group level

B04C (2006.01)

CPC (source: EP US)

B04C 5/103 (2013.01 - EP US); **B04C 5/13** (2013.01 - EP US); **B04C 2005/136** (2013.01 - EP US)

Cited by

WO2013173854A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU MC NL SE

DOCDB simple family (publication)

WO 9210300 A1 19920625; AT 395385 B 19921210; AT A252990 A 19920515; AT E109029 T1 19940815; CA 2098400 A1 19920614; CA 2098400 C 20010508; CS 377891 A3 19920617; CZ 285260 B6 19990616; DE 59102390 D1 19940901; DK 0560863 T3 19940926; EP 0560863 A1 19930922; EP 0560863 B1 19940727; ES 2059206 T3 19941101; FI 932598 A0 19930607; FI 932598 A 19930607; HU 212086 B 19960228; HU 9200221 D0 19920828; HU T64882 A 19940328; JP 3318895 B2 20020826; JP H06505671 A 19940630; NO 920954 D0 19920311; NO 920954 L 19920625; PL 167673 B1 19951031; RU 2079379 C1 19970520; SK 279559 B6 19981202; US 5275730 A 19940104

DOCDB simple family (application)

AT 9100127 W 19911211; AT 252990 A 19901213; AT 92900797 T 19911211; CA 2098400 A 19911211; CS 377891 A 19911212; DE 59102390 T 19911211; DK 92900797 T 19911211; EP 92900797 A 19911211; ES 92900797 T 19911211; FI 932598 A 19930607; HU 22192 A 19911211; JP 50159392 A 19911211; NO 920954 A 19920311; PL 29983291 A 19911211; RU 93032331 A 19911211; SK 377891 A 19911212; US 83879892 A 19920318