

Title (en)

Flotation device with foam sucking means.

Title (de)

Flotationsvorrichtung mit Schaumabsaugeinrichtung.

Title (fr)

Dispositif de flottation avec moyens d'aspiration de la mousse.

Publication

**EP 0613725 A2 19940907 (EN)**

Application

**EP 94200443 A 19940222**

Priority

IT PD930017 U 19930225

Abstract (en)

A flotation device for the suction of floated masses comprising a first inner tub (12) vertically arranged and communicating at the bottom with a second outer tub (26) which surrounds the first tub (12) and operates as a manifold for clarified liquid, the second tub communicating with a collector reservoir (34) for clarified liquid. At the middle of the first tub (12), the flotation device bears a column (40) extending above an upper edge of the inner tub (12) and sustaining a support (42) for a motorized arm (50) which can be oriented and ending with a suction hood (54) which can also be oriented by driving means (66) arranged on the arm (50); the column (40), the arm (50) and the suction hood (50) being hollow, connected among them and to a pipe (68) for the draining of floated particles. The pipe (68) is connected to a reverseble volumetric pump (70) which provides both for the removal of the floated particles and for the inlet of washing water in order to carry out periodic cleaning of the same flotation device. <IMAGE>

IPC 1-7

**B03D 1/14**; **C02F 1/24**

IPC 8 full level

**B03D 1/14** (2006.01)

CPC (source: EP)

**B03D 1/082** (2013.01); **B03D 1/1462** (2013.01); **B03D 1/1487** (2013.01)

Cited by

CN111719329A; CN112004607A; EP3468700A4; US10752521B2; US11975369B2; EP2500102A1; WO2012123258A1; WO2019111238A1; WO2017210752A1

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