

Title (en)  
WEIR SKIMMER AND FLOTATION SYSTEM

Title (de)  
WEHRSKIMMER UND AUFTRIEBSYSTEM

Title (fr)  
RECUPERATEUR A DEVERSOIR ET SYSTEME DE FLOTTATION

Publication  
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Application  
**EP 99919403 A 19990429**

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Abstract (en)  
[origin: WO9957378A1] A weir skimmer (1) for removing a floating liquid ("first liquid" exemplified in this abstract by floating oil) from the surface of another liquid of higher density ("second liquid" exemplified in this abstract by water) comprising: i) an outer vessel (2) the rim (3) of which is adapted to act as a first weir to separate from the surface of the body of the second liquid and to admit into the vessel (2) floating oil together with a supporting layer of water; ii) an inner dish (4) located within the outer vessel (2) with its rim (5) spaced from the first weir rim (3) and adapted to act as a second weir to separate from an underlying mass of water within the interior of the outer vessel (2) and to admit into the inner dish (4) floating oil together with a supporting layer of water; iii) aperture means (6) located in the lower part of the inner dish (4) communicating with the interior of the outer vessel (2); iv) aperture means (10) communicating between the interior of the outer vessel (2) and its exterior. Buoyant support for the weir skimmer device (1) during use is provided by a plurality of outwardly located flotation units exemplified in the drawing accompanying this abstract by flotation unit (11). Each flotation unit (11) is connected to the weir skimmer device (1) by associated support means, e.g. a rigid support arm (12), each arm being pivotally connected at (13) to the skimmer device (1).

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