

SG 9701417-9.

PCTWORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : B01D 17/035, C02F 1/40	A1	(11) International Publication Number: WO 97/02080 (43) International Publication Date: 23 January 1997 (23.01.97)
(21) International Application Number: PCT/SE96/00909 (22) International Filing Date: 4 July 1996 (04.07.96) (30) Priority Data: 9502459-2 6 July 1995 (06.07.95) SE (71)(72) Applicant and Inventor: SCHELIN, Andreas [SE/SE]; Baldersvägen 6, S-392 47 Kalmar (SE). (74) Agent: CEDER, Lennart; Box 24072, S-104 50 Stockholm (SE).		(81) Designated States: AT, AU, CA, CN, CZ, DE, DK, EE, FI, GB, HU, JP, KR, LT, LV, NO, PL, PT, <u>SG</u> , SK, TR, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>
(54) Title: A DEVICE FOR THE SEPARATION OF OIL FROM WATER (57) Abstract This invention relates to a device for separation of oil from water containing impurities in industries, waste plants, ships or the like. The device consists of an oil separation tank (1), which is tapering upwards and is provided with an inlet (1) and an outlet (2). In its lower part it is provided with airing means in the form of perforated pipes. In its upper part the tank is provided with steering plates (6). Raw water (3') containing oil (3'') and light particles, is introduced in the inlet (1) of the tank (1), in which oil (3'') and particles are lifted up to the surface by the addition of air bubbles from the airing means (4 and 5). The floating mass is flushed into an oil outlet pipe (7), while cleansed water (8) is led out through the outlet (2). The inlet (1) and the outlet (2) have a level regulator or level indicator.		

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AM	Armenia	GB	United Kingdom	MW	Malawi
AT	Austria	GE	Georgia	MX	Mexico
AU	Australia	GN	Guinea	NE	Niger
BB	Barbados	GR	Greece	NL	Netherlands
BE	Belgium	HU	Hungary	NO	Norway
BF	Burkina Faso	IE	Ireland	NZ	New Zealand
BG	Bulgaria	IT	Italy	PL	Poland
BJ	Benin	JP	Japan	PT	Portugal
BR	Brazil	KE	Kenya	RO	Romania
BY	Belarus	KG	Kyrgyzstan	RU	Russian Federation
CA	Canada	KP	Democratic People's Republic of Korea	SD	Sudan
CF	Central African Republic	KR	Republic of Korea	SE	Sweden
CG	Congo	KZ	Kazakhstan	SG	Singapore
CH	Switzerland	LJ	Liechtenstein	SI	Slovenia
CI	Côte d'Ivoire	LK	Sri Lanka	SK	Slovakia
CM	Cameroon	LR	Liberia	SN	Senegal
CN	China	LT	Lithuania	SZ	Swaziland
CS	Czechoslovakia	LU	Luxembourg	TD	Chad
CZ	Czech Republic	LV	Latvia	TG	Togo
DE	Germany	MC	Monaco	TJ	Tajikistan
DK	Denmark	MD	Republic of Moldova	TT	Trinidad and Tobago
EE	Estonia	MG	Madagascar	UA	Ukraine
ES	Spain	ML	Mali	UG	Uganda
FI	Finland	MN	Mongolia	US	United States of America
FR	France	MR	Mauritania	UZ	Uzbekistan
GA	Gabon			VN	Viet Nam