

Title (en)

BRUSH FOR COLLECTING OIL FROM WATER USING A COLLECTION DEVICE AND A CORRESPONDING COLLECTION DEVICE

Title (de)

BÜRSTE ZUM SAMMELN VON ÖL AUS WASSER UNTER VERWENDUNG EINER SAMMELVORRICHTUNG UND ENTSPRECHENDE SAMMELVORRICHTUNG

Title (fr)

BROSSE POUR LA COLLECTE D'HUILE DANS L'EAU À L'AIDE D'UN DISPOSITIF DE COLLECTE, ET DISPOSITIF DE COLLECTE CORRESPONDANT

Publication

EP 3469146 A1 20190417 (EN)

Application

EP 17809793 A 20170607

Priority

- FI 20165474 A 20160608
- FI 2017050423 W 20170607

Abstract (en)

[origin: WO2017212117A1] The invention relates to a brush for collecting oil from water using a collection device, which brush (10) includes - a body (12) arranged to form a circle (14) arranged to be supported around the rotation shaft (104) of a collection device (100), which body (12) includes an outer surface (24), - bristle bunches (22), comprising several individual brush fibres (20) attached to the said outer surface (24) to collect oil, each of which brush fibre has two ends, i.e. a base end (44) and a free end (48), which bristle bunches (22) include first bristle bunches (25) and second bristle bunches (28), of which the second bristle bunches (28) are greater in length between the free end (48) of the brush fibres (20) and the outer surface (24) of the body (12) than the first bristle bunches (25), which said bristle bunches (22) form a continuous brush surface (26) on the brush (10). In the said second bristle bunches (28) the brush fibres (20) are bent over a selected length in a selected direction, which direction differs from the direction of the brush fibre (20) over the rest of the length of the brush fibre (20) and which selected length is greater than the length of the first bristle bunches (25) from the outer surface (24) of the body. The invention also relates to a corresponding collection device.

IPC 8 full level

A46B 9/02 (2006.01); **E02B 15/04** (2006.01); **E02B 15/10** (2006.01)

CPC (source: EP)

A46B 5/06 (2013.01); **A46B 9/06** (2013.01); **A46B 13/001** (2013.01); **A46D 1/0253** (2013.01); **E02B 15/104** (2013.01); **A46B 2200/405** (2013.01); **Y02A 20/204** (2017.12)

Cited by

CN108082405A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2017212117 A1 20171214; EP 3469146 A1 20190417; EP 3469146 A4 20200115

DOCDB simple family (application)

FI 2017050423 W 20170607; EP 17809793 A 20170607