

Title (en)

SYSTEM FOR WET SCRUBBING OF EXHAUST FUMES FROM AN ENGINE OF A MARINE VESSEL

Title (de)

SYSTEM ZUM NASSWASCHEN VON ABGASEN AUS EINEM SCHIFFSMOTOR

Title (fr)

INSTALLATION D'ÉPURATION PAR VOIE HUMIDE DE FUMÉES D'ÉCHAPPEMENT D'UN MOTEUR D'UN NAVIRE MARIN

Publication

EP 4069399 A1 20221012 (FR)

Application

EP 20812097 A 20201201

Priority

- FR 1913608 A 20191202
- EP 2020084053 W 20201201

Abstract (en)

[origin: WO2021110646A1] Said system comprises a scrubber (10) which extends vertically and into the base of which an fume (1) inlet duct (20) opens. It also comprises a dispensing device (30) which is arranged inside the scrubber and suitable for dispensing water (2) in the form of a shower (3) falling downwards. It also comprises spray nozzles (40), which are arranged inside the scrubber, occupying one or more vertical levels located between the inlet of the duct and the dispensing device, and which are, at each level, distributed on a side wall (12) of the scrubber. Each of the spray nozzles is designed to spray water in the form of a flat fan-shaped jet (5), the plane of which is transverse to the vertical and which is directed downwards, such that the flat fan-shaped jets emitted by the spray nozzles flow, from the side wall of the scrubber, against the upward direction of the fumes in the scrubber and act on the fumes circulating in the spray nozzles by returning said fumes to a central axis of the scrubber. Said system exhibits excellent scrubbing performance.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2021110646A1

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