

Title (en)
AIR JET FOR REMOVING POLLUTING OIL

Title (de)
LUFTDÜSE ZUR ENTFERNUNG VON VERUNREINIGENDEM ÖL

Title (fr)
JET D'AIR SERVANT À ÉLIMINER DU PÉTROLE POLLUANT

Publication
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Application
EP 10833453 A 20100507

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Abstract (en)
[origin: EP2518214A1] The present invention relates to an air jet for removing pollutant oil, and more particularly to an air jet capable of removing oil deposited on a small mud flat, sand or sedimentary soil in a coastal or inland area by injecting compressed air to float the oil on the water surface together with gas discharge. The air jet comprises: a hollow cylindrical air pipe open at both ends, the air pipe serving as a channel through which injected compressed air moves; a communication pipe having a diameter smaller than that of the air pipe and penetrating the air pipe to communicate the inside and outside of the air pipe, the outside of the air pipe being connected with an air hose for supplying compressed air; and an injection nozzle coupled with the communication pipe in the air pipe, the injection nozzle serving to accelerate compressed air supplied to the communication pipe and to rapidly inject the compressed air through the air pipe to an area polluted with oil.

IPC 8 full level
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Y10S 210/924 (2013.01 - KR)

Citation (search report)
• [X] WO 0163054 A1 20010830 - SPADA MARIO [FR]
• [X] JP H11156390 A 19990615 - SAKAKURA YASURO
• [A] KR 20050108262 A 20051116 - GENTRO CO LTD [KR]
• See references of WO 2011065641A1

Designated contracting state (EPC)
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