

Title (en)

Cleaning device and method for cylindrical object

Title (de)

Reinigungsvorrichtung und -verfahren für zylindrisches Objekt

Title (fr)

Dispositif de nettoyage et procédé pour un objet cylindrique

Publication

EP 2532578 A1 20121212 (EN)

Application

EP 11169500 A 20110610

Priority

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Abstract (en)

An object having a cylindrical object surface and a longitudinal object axis is cleaned by a device having a ring which defines a ring passage opening allowing passage of the object through the ring. The ring carries a cleaning structure configured to clean the object surface by brushing when the ring moves relative to the object surface. The cleaning device has a frame which defines a frame passage opening allowing passage of the object through the frame. The frame passage opening is aligned with the ring passage opening. The ring is connected to the frame. The frame carries a ring drive assembly to rotate the ring relative to the frame. A frame coupling structure is attached to the frame, and couples the frame to the object to allow a displacement of the frame and ring along the object surface parallel to the object axis. When the ring drive assembly is energized for rotating the ring, and the frame is moved in the direction of the object axis, the cleaning structure cleans part of the object surface covered by the cleaning structure rotating with the ring.

IPC 8 full level

B63B 59/10 (2006.01)

CPC (source: EP)

B08B 9/023 (2013.01); **B63B 59/10** (2013.01); **E02B 17/0034** (2013.01)

Citation (applicant)

EP 2305556 A1 20110406 - WALS DIVING & MARINE SERVICE [NL]

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

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