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(54) **METHOD AND APPARATUS FOR ACCESS AND REMEDIATION OF HYDROCARBON STORAGE TANKS**

VERFAHREN UND VORRICHTUNG ZUM ZUGRIFF UND ZUR SANIERUNG VON
KOHLENWASSERSTOFFLAGERTANKS

PROCÉDÉ ET APPAREIL POUR ACCÉDER À DES CUVES DE STOCKAGE D'HYDROCARBURES
ET POUR PROCÉDER À LEUR RÉHABILITATION

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(56) References cited:
EP-A1- 1 143 074 EP-A2- 2 039 972
EP-A2- 2 106 514 EP-A2- 2 497 578
WO-A1-2004/069647 WO-A2-2014/060741
FR-A1- 2 507 997

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• **"BRENT E-NEWS Brent Decommissioning
Project", , 17 November 2011 (2011-11-17),
XP055236837, Retrieved from the Internet:
URL: <http://s04.static-shell.com/content/dam/shell-new/local/country/gbr/downloads/upstream/brent-newsletterissue7.pdf> [retrieved on
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- Anonymous: "Shell grapples with uncertainties of Brent field decommissioning - Offshore", , 1 February 2012 (2012-02-01), XP055236822, Retrieved from the Internet:
URL:<http://www.offshore-mag.com/articles/print/volume-72/issue-2/engineering-construction-installation/shell-grapples-with-uncertainties-of-brent-field-decommissioning.html> [retrieved on 2015-12-16]
- N.N: "Brent Decommissioning Stakeholder Dialogue Event", , 19 November 2013 (2013-11-19), XP055236831, Retrieved from the Internet:
URL:<https://www.shell.co.uk/.../decommissioning/brent...decommissioning/bre...> [retrieved on 2015-12-16]
- CESSOU M: "OPERATION BOEHLEN", PETROLE ET TECHNIQUES, ASSOCIATION FRANCAISE DES TECHNICIENS DU PETROLE. PARIS, FR, no. 256, 1 October 1978 (1978-10-01), pages 9-18, XP000960558, ISSN: 0152-5425
- "FRENCH COMPANIES SHOW OIL-RECOVERY EFFICIENCY FROM SUNKEN TANKER", OIL AND GAS JOURNAL, PENNWELL, HOUSTON, TX, US, vol. 76, no. 2, 9 January 1978 (1978-01-09), page 103,105, XP000960556, ISSN: 0030-1388
- Anonymous: "Subsea Drilling Machine | Geoprobe Drilling Limited", , 10 July 2012 (2012-07-10), XP055266621, Retrieved from the Internet:
URL:<http://www.geoprobe.com/subsea-drilling-machine/> [retrieved on 2016-04-19]
- Anonymous: "Kurt J. Lesker Company | CF Flanges Technical Notes | Vacuum Science is our Business", , 4 February 2013 (2013-02-04), XP055668596, Retrieved from the Internet:
URL:https://web.archive.org/web/20130204050754/http://www.lesker.com/newweb/flanges/flanges_technicalnotes_conflat_1.cfm [retrieved on 2020-02-13]