

Title (en)  
METHOD FOR ASSEMBLING AN OFFSHORE WIND TURBINE, TOWER FOUNDATION FOR AN OFFSHORE WIND TURBINE AND OFFSHORE WIND TURBINE

Title (de)  
VERFAHREN ZUR MONTAGE EINER OFFSHORE-WINDTURBINE, TURMFUNDAMENT FÜR EINE OFFSHORE-WINDTURBINE UND OFFSHORE-WINDTURBINE

Title (fr)  
PROCÉDÉ D'ASSEMBLAGE D'UNE ÉOLIENNE EN MER, FONDATION D'UNE TOUR D'UNE ÉOLIENNE EN MER ET ÉOLIENNE EN MER

Publication  
**EP 3767035 A1 20210120 (EN)**

Application  
**EP 19187004 A 20190718**

Priority  
EP 19187004 A 20190718

Abstract (en)  
Method for assembling an offshore wind turbine (1), wherein the wind turbine (1) comprises a tower foundation (2) with at least one hollow ballast chamber (24, 25), wherein the method comprises the following steps:- assembling the tower foundation (2) on a dry dock-like construction site (6), wherein the construction site (6) is located below the sea level (8) and separated from the sea (7) by a barrier (9),- launching the tower foundation (2) to the sea (7) by, at least partially, removing or opening the barrier (9) and/or filling water into the construction site (6) leading to a flooding of the construction site (6),- towing the swimming tower foundation (2) to a target position (26) on the sea (7) by a vessel (27),- loading the at least one ballast chamber (24, 25) of the tower foundation (2) with ballast material (24, 25) causing the tower foundation (2) to sink down until it permanently rests on the sea ground (31), and- installing a tower (3) of the wind turbine (1) on the tower foundation (2).

IPC 8 full level  
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Citation (applicant)  
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• DE 102016219413 A1 20180412 - SIEMENS AG [DE]

Citation (search report)  
• [XY] GB 2451191 A 20090121 - CHAMBERS PETER RONALD [GB]  
• [XY] EP 2559814 A1 20130220 - GRAVITAS OFFSHORE LTD [GB]  
• [XY] WO 2010019050 A1 20100218 - OLAV OLSEN AS DR TECHN [NO], et al  
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• [X] WO 2009154472 A2 20091223 - SEATOWER AS [NO], et al

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