

Title (en)  
Gravity foundation

Title (de)  
Schwerkraftfundament

Title (fr)  
Fondation par gravité

Publication  
**EP 2559814 B1 20150415 (EN)**

Application  
**EP 12177998 A 20120726**

Priority  
GB 201113993 A 20110815

Abstract (en)  
[origin: EP2559814A1] A gravity foundation for an offshore structure, comprises: a lower portion 2 for submersion beneath water, the lower portion 2 including an inner compartment 32 and a plurality of outer compartments 34 arranged around the inner compartment 32; and a ballast water distribution system 44 for flooding the compartments 32,34 of the lower portion 2 with water during deployment of the foundation; wherein the ballast water distribution system 44 comprises: a first fluid connection 46 for introducing water into the inner compartment 32; and a plurality of second fluid connections 48 each for passage of water from the inner compartment 32 to an outer compartment 34; the second fluid connections 48 each including: an outlet 52 in an outer compartment 34, the outer compartment 34 being at a first side of the inner compartment 32; and an inlet 50 positioned within the inner compartment 32 at a higher level than the outlet 52 and at a second side of the inner compartment 32 generally opposite to the location of the outer compartment 34.

IPC 8 full level  
**E02D 23/02** (2006.01); **E02D 27/42** (2006.01); **E02D 27/52** (2006.01)

CPC (source: EP GB)  
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Cited by  
NL2022433B1; EP3767035A1; ES2725877A1; CN114687373A; CN103174150A; CN118166824A; EP2930273A1; WO2019070140A1; WO2018150063A1; EP4060121A1; US11008727B2; WO2017217505A1; WO2016016481A1; WO2019185963A1; WO2023006955A1; WO2020153839A1; US12006648B2; TWI807197B; WO2019029973A1; WO2021008748A1

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