

Title (en)
FOUNDATION FOR AN OFFSHORE WIND TURBINE GENERATOR AND METHOD OF CONSTRUCTING AND INSTALLING THE FOUNDATION

Title (de)
FUNDAMENT FÜR EINE OFFSHORE-WINDENERGIEANLAGE UND VERFAHREN FÜR DEN BAU UND DIE INSTALLATION DES FUNDAMENTS

Title (fr)
FONDATION POUR GÉNÉRATEUR ÉOLIEN EN MER, ET PROCÉDÉ DE CONSTRUCTION ET DE MISE EN PLACE DE CETTE FONDATION

Publication
EP 2324240 A4 20120425 (EN)

Application
EP 09806896 A 20090812

Priority
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Abstract (en)
[origin: WO2010019050A1] Foundation (1) for an offshore wind turbine generator, preferably for sea depth above (45) metre, and a method of constructing and installing the foundation (1). The foundation (1) in the construction, transport and installation phases is a self floating and stabile construction of reinforced concrete comprising: - a foundation structure (5), - a hollow, substantially conical tower structure (15) ()arranged on the foundation structure (5) and having a lower external diameter less than the smallest transversal dimension of the foundation structure, since the diameter of the tower structure gradually decreases upwards toward the upper portion (20) of the tower structure.

IPC 8 full level
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Citation (search report)
• [X] US 5316413 A 19940531 - SISODIYA RAM G [US], et al
• [XA] EP 1777348 A1 20070425 - DREDGING INT [BE]
• [XI] EP 1336559 A1 20030820 - RUND STAHL BAU GMBH & CO [AT]
• [XI] EP 1288122 A2 20030305 - RUND STAHL BAU GMBH & CO [AT]
• [A] US 4038830 A 19770802 - SUMNER MAURICE N
• [A] US 3754403 A 19730828 - MOTT G, et al
• [A] DE 102006002780 A1 20070726 - TIEFBAU GMBH UNTERWESER [DE]
• [A] US 2004262926 A1 20041230 - HANSEN SVEND ERIK [DK]
• [A] WO 0134977 A1 20010517 - RINTA JOUPPI YRJOE [FI]
• See references of WO 2010019050A1

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