

Title (en)

Grout seal and method to grout an annular space between two foundation members of an offshore structure

Title (de)

Fugendichtung und Verfahren zum Verfugen eines ringförmigen Raumes zwischen zwei Fundamentelementen eines Meeresbauwerks

Title (fr)

Joint d'injection et procédé d'injection d'un espace annulaire entre deux éléments de base d'une structure en mer

Publication

EP 2672016 A1 20131211 (EN)

Application

EP 12004238 A 20120604

Priority

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Abstract (en)

The invention refers to a grout seal for sealing the annular space (8) between two concentrically placed foundation members of an offshore structure. The grout seal includes at least one resilient primary sealing member attached to the inner wall of an outer foundation member, said primary sealing member extending peripherally within the annular space (8) between the foundation members and resting against an outer wall of the inner foundation member in order to seal a grout (13) against the ingress of water and to secure said grout (13) against egress into water. The grout seal includes at least one elastically compressible secondary sealing member (11) directly exposed to said grout (13) and being arranged in a fashion that allows said secondary sealing member (11) to be at least partially radially compressed by the pressure exerted by the grout mass.

IPC 8 full level

E02D 27/42 (2006.01); **E02D 27/50** (2006.01)

CPC (source: EP)

E02D 27/42 (2013.01); **E02D 27/50** (2013.01)

Citation (applicant)

- GB 2433540 A 20070627 - HARDY MARTIN [GB], et al
- EP 0204041 A1 19861210 - HALLIBURTON CO [US]

Citation (search report)

- [XD] GB 2433540 A 20070627 - HARDY MARTIN [GB], et al
- [A] US 4552486 A 19851112 - KNOX LLOYD C [US], et al

Cited by

DE102017123935A1; CN111560936A; CN108708686A; CN113529817A; CN106193096A; CN103967036A; CN113585363A; CN108729873A; CN113529818A; CN105133661A; CN111719554A; KR20200079262A; CN111479966A; JP2020537070A; WO2018227357A1; WO2021249868A1; WO2019073060A2; WO2019073060A3; WO2021082405A1; US11319930B2; US11905922B2

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