Title (en)

PILE MECHANICAL JOINT WITH GROOVED LOCKING PROTUBERANCE/PROTUBERANCES FOR EASY LOCKING PIN/PINS INSTALLATION

Title (de)

MECHANISCHE POLVERBINDUNG MIT GERILLTER VERRIEGELUNGSÜBERBRÜCKUNG/-ROHREN ZUR LEICHTEN INSTALLATION VON STIFT/STIFTEN

Title (fr)

JOINT MÉCANIQUE DE PIEU DOTÉ D'UNE OU PLUSIEURS SAILLIES DE VERROUILLAGE RAINURÉES POUR UNE INSTALLATION FACILE D'UNE OU PLUSIEURS BROCHES DE VERROUILLAGE

Publication

EP 4267803 A1 20231101 (EN)

Application

EP 21911635 A 20211007

Priority

- MY PI2020006938 A 20201222
- MY 2021050085 W 20211007

Abstract (en)

[origin: WO2022139571A1] A pile mechanical locking mechanism with screwed-on grooved locking protuberance/protuberances (3), that by virtue of the flex of the non-welded, screwed-on grooved protuberance/protuberances (3) and by the locking pin/pins (7) having a small amount of contact with the grooved protuberance/protuberances (3), enables easy to install locking pin/pins (7) even with the existence of typical debris from the piling stage or even when dimensional tolerances of the pile's joint plates (1) are not ideal due to manufacturing error or damage from external forces. The mechanical locking mechanism, being open or exposed in nature, enables debris to be easily cleaned away and visual inspection of any possible physical obtructions to successful locking pin/pins (7) installations can be conducted easily.

IPC 8 full level

E02D 5/52 (2006.01); **E02D 5/22** (2006.01)

CPC (source: EP KR)

E02D 5/52 (2013.01 - EP); **E02D 5/526** (2013.01 - EP KR); E02D 2600/20 (2013.01 - KR)

Citation (search report)

See references of WO 2022139571A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

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