

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
13 March 2025 (13.03.2025)



(10) International Publication Number
WO 2025/053749 A1

(51) International Patent Classification:

E02B 17/00 (2006.01) *B66C 1/56* (2006.01)
B66C 1/10 (2006.01) *B63B 35/00* (2020.01)
B66C 1/42 (2006.01) *E02B 17/02* (2006.01)

(21) International Application Number:

PCT/NL2024/050467

(22) International Filing Date:

27 August 2024 (27.08.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

2035761 07 September 2023 (07.09.2023) NL

(71) Applicant: IQIP HOLDING B.V. [NL/NL]; Molendijk 94,
3361 EP Sliedrecht (NL).

(72) Inventors: PEERDEMAN, Marius; c/o IQIP Holding
B.V., IP Department, Molendijk 94, 3361 EP Sliedrecht
(NL). ZUIJDGEEST, Quintus Wilhelmus Petrus Maria;
c/o IQIP Holding B.V., IP Department, Molendijk 94, 3361
EP Sliedrecht (NL).

(74) Agent: AALBERS, Arnt Reinier et al.; De Vries & Met-
man, Overschiestraat 180, 1062 XK Amsterdam (NL).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG,
KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY,
MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA,
NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO,
RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS,
ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, CV,
GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST,
SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ,
RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ,
DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT,
LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE,
SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, KM, ML, MR, NE, SN, TD, TG).

(54) Title: A PILE UPENDING AND LIFTING TOOL, AN ASSEMBLY OF A PILE UPENDING TOOL AND A SUPPORTING
CARRIAGE AND AN ASSEMBLY OF A PILE UPENDING TOOL AND A CRADLE

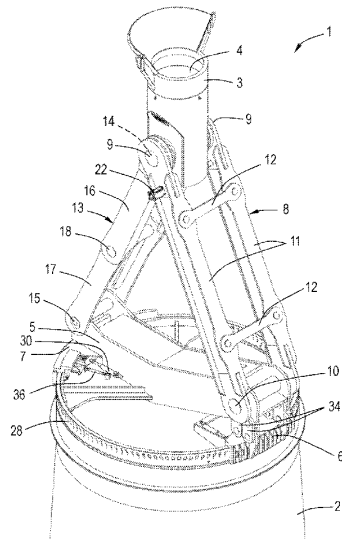


Fig. 1

(57) Abstract: A pile upending tool (1) comprises a hoisting element (3) for being mounted to a hoisting cable, a lifting body (5) including at least two fixation members (6, 7) for temporarily fixing a monopile (2), which fixation members (6, 7) are located at a distance from each other, a first link (8) which is pivotally coupled to the hoisting element (3) through a first hoisting element pivot (9) and to the lifting body (5) through a first lifting body pivot (10), and a second link (13) which is pivotally coupled to the hoisting element (3) through a second hoisting element pivot (14) and to the lifting body (5) through a second lifting body pivot (15) being located at a distance from the first lifting body pivot (10). The second link (13) is adaptable such that pivot axes of the second hoisting element pivot (14) and the second lifting body pivot (15) are mutually displaceable between a first relative position and a second relative position. In the first relative position an angle between a plane through pivot axes of the first hoisting element pivot (9) and the first lifting body pivot (10) and a plane through the pivot axes of the first lifting body pivot (10) and the second lifting body pivot (15) is different than in the second relative position.

[Continued on next page]

WO 2025/053749 A1

Published:

— with international search report (Art. 21(3))