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(71) Applicant: NABORS LUX 2 SARL [LU/LU]; 8-10 Avenue de la Gare, 1610 Luxembourg (LU).

(72) Inventors: FRIESTAD, Jan; Verdalsveien 41, 4352 Kleppe (NO). MIKALSEN, Kenneth; Alexander Kielandsgate 16A, 4319 Sandnes (NO). LARSEN, Ørjan

H.; Postveien 4A, 4319 Sandnes (NO). LINGJERDE, Bjørnar; Eikelia 30, 4325 Sandnes (NO).

(74) Agent: SAVOCA, Agatino et al.; c/o Jacobacci & Partners S.p.A., corso Emilia 8, 10152 Torino (IT).

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(54) Title: ELEVATOR WITH INDEPENDENT ARTICULATION OF CERTAIN JAWS FOR LIFTING TUBULARS OF VARIOUS SIZES

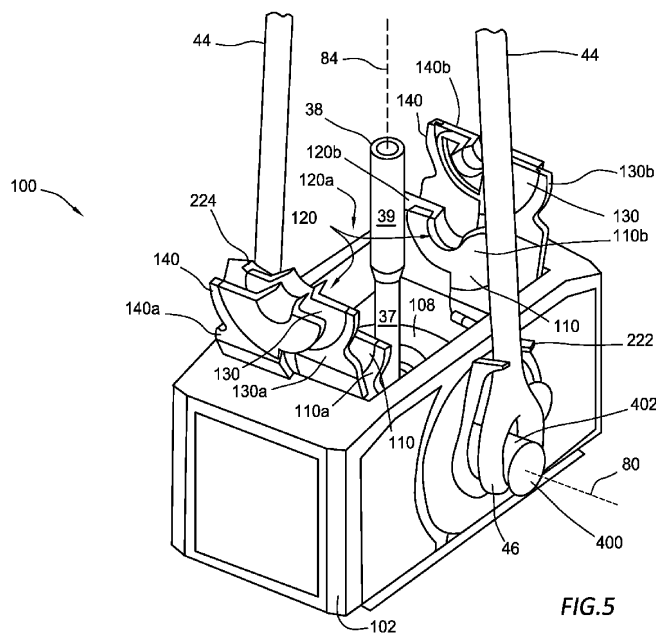


FIG. 5

(57) Abstract: A system including an elevator (100) to move a tubular (38), the elevator (100) including two or more remotely operable latches (110-140) that can configure the elevator to handle various tubular diameters. A portion of the latches can be laterally offset from each other and another portion can overlap adjacent latches. The elevator can be ATEX certified or IECEx certified according to EX Zone 1 requirements with an electronics enclosure contained within a sealed chamber (454). The elevator can be rotated greater than 90 degrees relative to a pair of links (44) that support the elevator. The elevator can use rotary actuators (210) to operate the latches (110-140) and rotate the housing (102) of the elevator (100).

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