

Title (en)
APPARATUS FOR GRIPPING A TUBULAR ON A DRILLING RIG

Title (de)
VORRICHTUNG ZUM GREIFEN EINES ROHRES AN EINEM BOHRGESTELL

Title (fr)
APPAREIL POUR LA PRÉHENSION D'UN TUYAU SUR UN APPAREIL DE FORAGE

Publication
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Application
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Priority

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- US 2006061945 W 20061212

Abstract (en)
Methods and apparatus for running tubulars into and out of a wellbore. A gripping apparatus is activated with an actuator having a primary actuator and a redundant safety feature. The redundant safety feature may include one or more redundant fluid operated pistons. The gripping apparatus may include an integrated safety system adapted to prevent damage to the tubulars while making and breaking out connections between the tubulars and the tubular string.

IPC 8 full level
E21B 19/16 (2006.01); **E21B 33/16** (2006.01)

CPC (source: EP US)
E21B 19/165 (2013.01 - EP); **E21B 33/05** (2013.01 - EP US); **E21B 33/165** (2020.05 - EP US)

Citation (applicant)

- US 2005257933 A1 20051124 - PIETRAS BERND-GEORG [DE]
- US 6742596 B2 20040601 - HAUGEN DAVID M [US]
- US 2005096846 A1 20050505 - KOITHAN THOMAS [US], et al
- US 2004173358 A1 20040909 - HAUGEN DAVID M [US]
- US 2004144547 A1 20040729 - KOITHAN THOMAS [US], et al
- US 5787979 A 19980804 - GIROUX RICHARD L [US], et al
- US 5813457 A 19980929 - GIROUX RICHARD L [US], et al
- US 5390736 A 19950221 - BUDDE PETER [FR]

Cited by
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