Title (en)
PROPPANT STORAGE AND TRANSFER SYSTEM AND METHOD

Title (de)
STÜTZMITTELLAGERUNGS- UND -TRANSPORTSYSTEM UND -VERFAHREN

Title (fr)
SYSTÈME ET PROCÉDÉ DE STOCKAGE ET DE TRANSFERT D'AGENT DE SOUTÈNEMENT

Publication
EP 3274239 A4 20181205 (EN)

Application
EP 15888060 A 20151027

Priority
• US 201562139323 P 20150327
• US 201514738485 A 20150612
• US 201514922836 A 20151026
• US 2015057601 W 20151027

Abstract (en)
[origin: WO2016160067A1] Embodiments of the present disclosure include a rail car for supporting and transporting one or more containers storing proppant therein. A spine member extends from a first end to a second end of the rail car, and having a variable height that is greater at a midpoint than at the ends. A bolster is arranged on a top surface of the spine member, extends laterally in two directions, and has a greater width proximate the spine member than at a distal end. A mounting platform is positioned on the distal end of the bolster, has a container surface that receives the one or more containers, and extends vertically from the bolster to position the container above a top surface of the bolster. A locking assembly is positioned on the mounting platform and secures the one or more containers to the rail car when moved to a locked position.

IPC 8 full level
B65D 88/30 (2006.01); **B61B 1/00** (2006.01); **B61D 3/20** (2006.01); **B61D 7/00** (2006.01); **B61D 17/00** (2006.01); **B65D 90/58** (2006.01)

CPC (source: EP)
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Citation (search report)
• [XAI] US 4947760 A 19900814 - DAWSON RICHARD W [US], et al
• See references of WO 2016160067A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2016160067 A1 20161006; AU 2015390112 A1 20171012; AU 2015390112 B2 20190117; AU 2019200979 A1 20190228; AU 2019200979 B2 20201001; BR 112017020671 A2 20180626; BR 112017020671 B1 20221206; CA 2979663 A1 20161006; CA 2979663 C 20200114; CN 107428345 A 20171201; CN 107428345 B 20190917; CO 2017009573 A2 20171130; EP 3274239 A1 20180131; EP 3274239 A4 20181205; MX 2017012375 A 20180706

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US 2015057601 W 20151027; AU 2015390112 A 20151027; AU 2019200979 A 20190212; BR 112017020671 A 20151027; CA 2979663 A 20151027; CN 201580078336 A 20151027; CO 2017009573 A 20170921; EP 15888060 A 20151027; MX 2017012375 A 20151027