

Title (en)

DEBRIS CARTS AND SYSTEMS AND METHODS OF USING SAME

Title (de)

TRÜMMERWAGEN UND SYSTEME UND VERFAHREN ZU DEREN VERWENDUNG

Title (fr)

CHARIOTS POUR DÉBRIS ET LEURS PROCÉDÉS D'UTILISATION

Publication

EP 3609813 A4 20210106 (EN)

Application

EP 18784670 A 20180412

Priority

- US 201715487149 A 20170413
- US 2018027328 W 20180412

Abstract (en)

[origin: WO2018191512A1] Systems and methods for processing debris from job sites are disclosed. Carts for receiving the debris are also disclosed. Each cart has a base, a plurality of wheels extending downwardly from the base relative to a vertical axis, and a plurality of walls extending upwardly from the base. The walls and the base of each cart cooperate to define a debris-receiving space. The carts can be engaged by a lifting apparatus that rotates along an arcuate path to position the carts in an unloading position. The carts can be associated with unique identifiers that can be linked with cart-specific information during the course of debris processing.

IPC 8 full level

B65F 1/12 (2006.01); **B07B 13/16** (2006.01); **B07C 5/38** (2006.01); **B65G 47/19** (2006.01); **B65G 47/44** (2006.01); **B65G 47/51** (2006.01);
B65G 65/00 (2006.01); **B65G 65/34** (2006.01)

CPC (source: CN EP)

B07C 5/00 (2013.01 - EP); **B65F 1/006** (2013.01 - EP); **B65F 1/1473** (2013.01 - EP); **B65F 3/005** (2013.01 - CN); **B65F 3/14** (2013.01 - CN);
B65F 3/24 (2013.01 - CN); **B65F 9/00** (2013.01 - EP); **B65G 47/44** (2013.01 - EP); **B65G 47/5195** (2013.01 - EP); **B65G 65/00** (2013.01 - EP);
B65G 65/34 (2013.01 - EP); **B07C 2501/0054** (2013.01 - EP); **B65F 1/122** (2013.01 - EP); **B65F 2210/138** (2013.01 - EP);
B65F 2210/165 (2013.01 - EP); **B65F 2210/184** (2013.01 - EP); **B65F 2220/12** (2013.01 - EP); **B65F 2250/112** (2013.01 - EP);
B65G 65/23 (2013.01 - EP); **B65G 2201/04** (2013.01 - EP); **B65G 2203/0258** (2013.01 - EP); **Y02W 30/10** (2015.05 - EP)

Citation (search report)

- [XY] FR 2784907 A1 20000428 - COMDEC [FR]
- [XY] US 5678697 A 19971021 - FUCHS DIETER [DE], et al
- [XY] US 3550772 A 19701229 - MELVIN DANIEL E, et al
- [Y] FR 2735996 A1 19970103 - SOC D EXPL DES ETS RACODON SA [FR]
- [Y] US 5205417 A 19930427 - HERREN JOHN T [US]
- [Y] WO 2008124946 A1 20081023 - 6358357 CANADA INC [CA], et al
- See references of WO 2018191512A1

Cited by

US11827467B2; US11254524B2

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 2018191512 A1 20181018; CN 110709339 A 20200117; CN 110709339 B 20220621; CN 115285552 A 20221104;
EP 3609813 A1 20200219; EP 3609813 A4 20210106; JP 2020520330 A 20200709; JP 7228565 B2 20230224; SG 11201909523S A 20191128

DOCDB simple family (application)

US 2018027328 W 20180412; CN 201880034739 A 20180412; CN 202210625498 A 20180412; EP 18784670 A 20180412;
JP 2020506304 A 20180412; SG 11201909523S A 20180412