



DCL500SM16 CDL-Exempt System

The Most Flexible Truck-Mounted Debris Collection System

PATENTED



- CDL-Exempt
 - ✓ Labor Resource Flexibility
- Single-Person Operation
 - ✓ Reduced Labor Costs
- In-Cabin Controls
 - ✓ Optimal Safety
- Patented **ECO-MODE™**: Standard
 - ✓ 35% Reduced Fuel Consumption
- Compact Profile – High Capacity
 - ✓ Maneuverability in Tight Areas
 - ✓ Reduced Liability
 - ✓ 16 Cubic Yard Capacity
- Dual Steering Control: Standard



(12) **United States Patent**
Calloway et al.

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(54) **COMPACT MATERIAL COLLECTION SYSTEM**

(58) **Field of Classification Search**
CPC E01H 1/0836; E01H 1/005; A47L 5/36; A47L 9/242; A47L 9/248
See application file for complete search history.

(71) Applicant: **Old Dominion Brush Company**, Henrico, VA (US)

(72) Inventors: **Britt R. Calloway**, Midlothian, VA (US); **Robert Mayes**, Hanover, VA (US); **Tim Stumph**, Midlothian, VA (US); **Chris Turner**, Aylett, VA (US)

(73) Assignee: **Old Dominion Brush Company**, Henrico, VA (US)

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E01H 1/08 (2006.01)
E01H 1/00 (2006.01)
A47L 9/24 (2006.01)
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(52) **U.S. Cl.**
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Primary Examiner — David Redding
(74) *Attorney, Agent, or Firm* — Sterne, Kessler, Goldstein & Fox P.L.L.C.

ABSTRACT

The present disclosure provides a material collection system. The material collection system includes a conduit, a vacuum generator coupled to the conduit, an engine powering the vacuum generator, and a container mounted to a chassis of a vehicle. The vacuum generator generates airflow for drawing material into a material inlet of the conduit. The container receives collected material from the conduit. The material collection system and vehicle can have a gross vehicle weight rating of at or below approximately 26,000 lbs.

11 Claims, 14 Drawing Sheets

