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**Convery et al.**

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(54) **SCREEN ASSEMBLY**  
  
(71) Applicant: **CDE Global Limited**, Cookstown,  
County Tyrone (GB)  
  
(72) Inventors: **Anthony Convery**, Moneymore (GB);  
**Glenn Sloan**, Castlerock (GB)  
  
(73) Assignee: **CDE Global Limited**, Cookstown (GB)  
  
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See application file for complete search history.

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*Primary Examiner* — Terrell Matthews  
(74) *Attorney, Agent, or Firm* — Gardner, Linn, Burkhardt &  
Flory, LLP

(57) **ABSTRACT**  
A screen assembly for grading and dewatering sand includes  
a frame upon which is mounted a deck having a plurality of  
apertures therein. The frame is mounted on a base and  
includes a vibration generating device for imparting vibration  
to the deck. The deck has a first portion inclined downwardly  
from a first end to second end for grading sand thereon, and a  
second portion for dewatering sand thereon. The first deck  
portion is inclined downwardly at a first angle, and the second  
portion is arranged substantially horizontally or inclined  
upwardly at a second angle. Sand may be delivered onto the  
deck at or adjacent the first end of the first portion, so that  
undersized particles of sand passing through the apertures in  
the first portion of the deck as oversized particles pass onto the  
second portion of the deck, whereby the oversized particles  
are dewatered.

**20 Claims, 3 Drawing Sheets**

