

Title (en)  
Soil sifting device

Title (de)  
Siebvorrichtung für Erde

Title (fr)  
Dispositif pour le criblage de terre

Publication  
**EP 0972435 A2 20000119 (EN)**

Application  
**EP 99303653 A 19990511**

Priority  
GB 9810097 A 19980513

Abstract (en)  
A soil sifter, e.g. a soil sifting device, has a body (figure 1) which is an inclined mesh drum (A), with open end upper most which is loaded with garden material to be sifted. The bottom of the drum is closed except for a helical labyrinth (figure 2). On rotating the drum in one direction the material is agitated and separated through the mesh rolling up and over the step shown in the helical back plate (B) (figure 4). Sifted soil then falls to a barrow or container below the drum (A). Larger debris is expelled from the bottom of (A) when the rotation is reversed. Debris falls through the labyrinth formed by the helical back plate (B)(figure 1,2,3,4). The inclined drum (A) is supported by a portable frame (D), to which is attached the motor housing or crank handle (C).

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**B07B 1/24** (2006.01)

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