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US007810452B2

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

(10) **Patent No.:** US 7,810,452 B2  
(45) **Date of Patent:** Oct. 12, 2010

- (54) **BASIN CAPABLE OF CONTAINING AQUATIC ANIMALS, ESPECIALLY EXPERIMENTAL ANIMALS, AND RELATING HOUSING SYSTEM**  
3,565,043 A \* 2/1971 Carmouche et al. .... 119/228  
3,669,297 A \* 6/1972 Willinger ..... 210/94  
3,774,575 A 11/1973 Paterson  
4,681,131 A \* 7/1987 Uriarte ..... 137/247.35  
5,171,438 A \* 12/1992 Korcz ..... 210/167.22  
5,450,818 A \* 9/1995 Caillouet ..... 119/223  
5,779,884 A 7/1998 Raymo  
5,823,144 A \* 10/1998 Edstrom et al. .... 119/475  
6,056,886 A \* 5/2000 Hickok et al. .... 210/776  
6,125,791 A \* 10/2000 Gundersen et al. .... 119/228  
6,257,170 B1 \* 7/2001 Gundersen ..... 119/228  
2002/0066414 A1 \* 6/2002 Hallock et al. .... 119/248
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- (\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 480 days.

FOREIGN PATENT DOCUMENTS

EP 0616766 A2 3/1994

\* cited by examiner

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(21) Appl. No.: 11/485,141

(22) Filed: Jul. 12, 2006

(65) **Prior Publication Data**

US 2007/0012256 A1 Jan. 18, 2007

(30) **Foreign Application Priority Data**

Jul. 12, 2005 (EP) ..... 05425502

(51) **Int. Cl.**

A01K 63/00 (2006.01)

A01K 63/04 (2006.01)

(52) **U.S. Cl.** ..... 119/248; 119/417; 119/245;  
210/167.21; 137/143

(58) **Field of Classification Search** ..... 119/245–269,  
119/200, 228, 226, 223, 224, 207, 417, 418;  
137/143, 146; 210/167.21, 167.25, 257.1,  
210/418; D30/101–107

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,390,665 A \* 7/1968 Winger ..... 119/254

(57) **ABSTRACT**

A basin including: a front housing compartment (1) in which there is a lower point (3) for collecting the organic material to be removed; an equipment compartment (4) at the back of the basin, connected to the housing compartment; a drainage device, in the equipment compartment (4), which includes an "overflow" pipe (6) fixed to a siphon (7); the drainage device being capable of moving down in order to operate the siphon (7); and, a partition (8) between the housing compartment (1) and the equipment compartment (4), the partition being capable of keeping the animals inside the housing compartment and letting the water pass into the equipment compartment.

17 Claims, 4 Drawing Sheets

