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Oshima et al.

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(54) **CAGE FOR BREEDING SMALL ANIMALS**

(56) **References Cited**

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U.S. PATENT DOCUMENTS

311,719 A * 2/1885 Burton B61D 3/163
119/412
2,346,001 A * 4/1944 Bate A01K 1/03
119/472
2,988,044 A * 6/1961 Adelberg A01K 1/031
119/417

(Continued)

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FOREIGN PATENT DOCUMENTS

JP 412541 2/1966
JP 4843024 12/1973

(Continued)

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USPC 119/472, 402, 408, 409, 412, 453, 454, 119/475, 477, 521

See application file for complete search history.

OTHER PUBLICATIONS

International Search Report and Written Opinion dated Jul. 18, 2012 in Application No. PCT/JP2012/002441.

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(57) **ABSTRACT**

The cage for breeding small animals according to the present invention comprises a casing with an opening on an upper surface thereof, and a lid for covering the opening of the casing. The lid comprises a frame body attached to an upper end edge of the casing, and an opening for a water supply apparatus to which the water supply apparatus is attached in an openable and closable fashion. A partition board is placed in the casing to divide the housing section within the casing into two. A ventilation section is provided in the partition board, for ventilation between one room and the other room of the divided housing section in the casing. A communicating section for placing a tip of a nozzle of the water supply apparatus is provided by cutting out the partition board.

15 Claims, 15 Drawing Sheets

