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**Day**

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(54) **CASTOR FOR FURNITURE OR THE LIKE,  
WITH LOCKING MEANS**

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See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

4,333,207 A \* 6/1982 Atwood ..... B60B 33/0042  
16/35 R  
4,550,808 A \* 11/1985 Folsom ..... B60B 33/0042  
16/35 R

(Continued)

**FOREIGN PATENT DOCUMENTS**

DE 10 318 308 A1 10/2004  
EP 2 556 768 A2 2/2013

(Continued)

**OTHER PUBLICATIONS**

International Search Report, dated Jul. 16, 2014, from corresponding  
PCT application.

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(57) **ABSTRACT**

A lockable castor for furniture or the like includes a casing,  
two wheels mounted on a rotary shaft of first axis, a pivot of  
second axis orthogonal to the first axis, female notches in at  
least one of the two faces of the wheels, a lever, a male lug on  
the lever and complementary to the female notches, the lever  
being suitable for occupying two positions, a first position in  
which the male lug does not co-operate with any of the female  
notches, and a second position in which the male lug is  
positioned in one of the female notches, a pull connection  
connected to the lever, a cavity in the casing and including an  
opening, such that the shaft passes therethrough, the lever  
being constituted by a slide suitable for sliding in translation  
in the cavity between its two positions in a direction perpen-  
dicular to the first axis.

**10 Claims, 1 Drawing Sheet**

