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Under Secretary of Commerce
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Motorized Free-Spinning Caster Wheel

Provisional Application for
Patent

By: Aaron Benjamin Aders

Abstract

The Motorized Free-Spinning Caster Wheel is a free-spinning caster wheel that is powered by an electronic or gas motor. One or more motors will enable the caster wheel to drive under power, while maintaining the free-spinning 360-degree movement of a standard caster wheel.

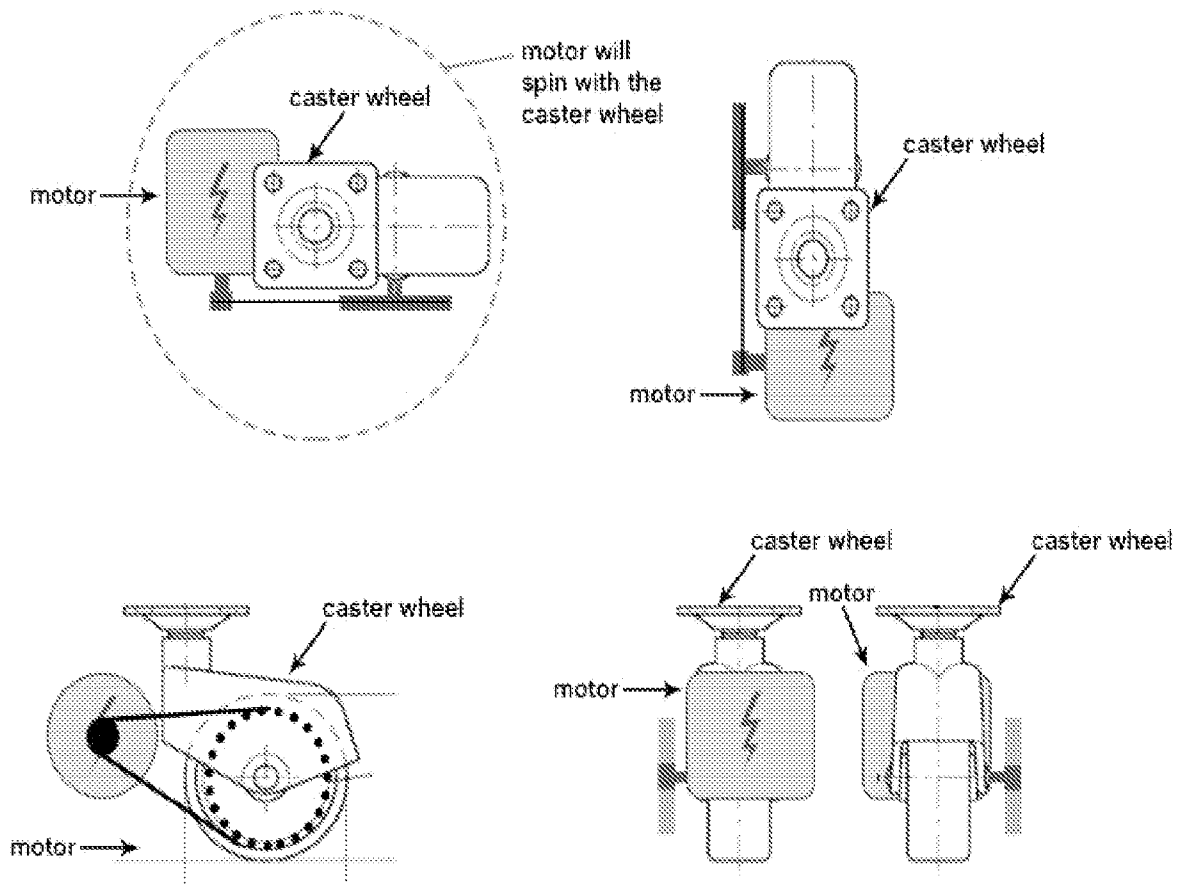
Current existing motorized caster wheels are mainly for robotic functions that include motors for power and steering. Furthermore, current existing motorized caster wheels do not allow the caster wheel to spin freely in an axis that is perpendicular to the rotation of the wheel while under power.

The Motorized Free-Spinning Caster Wheel will allow a user to move on a caster wheel freely under power while maintaining the free-spinning movement of a non-powered standard caster wheel. The Motorized Free-Spinning Caster Wheel can apply to any caster wheel of any shape, size, rotational bias or rotational direction.

Figure 1 on the next page shows a diagram of the Motorized Free-Spinning Caster Wheel. One or more gas or electric motors will be connected to the caster wheel, and will rotate with the caster wheel while providing power to the wheel.

Drawings

Figure 1: Motorized Free-Spinning Caster Wheel



Electronic Acknowledgement Receipt

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Confirmation Number:	1096
Title of Invention:	Motorized Caster Wheel
First Named Inventor/Applicant Name:	Aaron Aders
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1		Caster-Wheel-Patent.pdf	67127 494d748ec368eeb3d81492b4ac64767ae263320b	yes	3
Multipart Description/PDF files in .zip description					
	Document Description		Start		End
	Provisional Cover Sheet (SB16)		1		1
	Abstract		2		2
	Drawings-only black and white line drawings		3		3

Warnings:

Information:

2	Fee Worksheet (SB06)	fee-info.pdf	28561 92404af79b74b9f582decd2747c9130f458205a5	no	2
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Warnings:

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