

# TrailerDomes.com

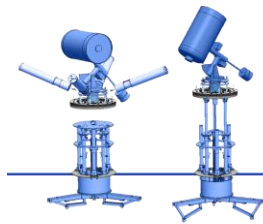
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## US Patent granted for innovation within astronomy



### Movies showing some of the features in action

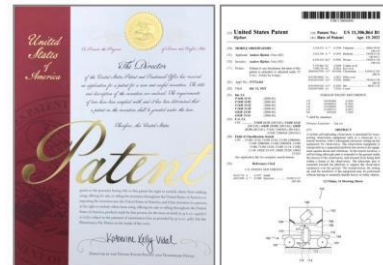
<p><b>Patent claims</b></p>	<p>US Patent 11,306,864</p>	<p>(4 min)</p>	
<p><b>Conversion</b></p>	<p>Full conversion Transport -&gt; Observation</p>	<p>(11 min)</p>	
<p><b>Road movie</b></p>	<p>A trailer dome in severe traffic situations</p>	<p>(4 min)</p>	



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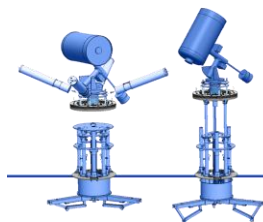
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**Features of patent US 11,306,864**  
 Grey entries not specifically claimed



<p><b>Astro rig</b></p>	<p>Single-handed and simple conversion procedures          Multi-staged tripod construction for rock-solid rig          All-steel combined with heavy ground weight (440 kg)          Motorized by linear actuator</p>
<p><b>Platform</b></p>	<p>Transportation: suspension platform with low COG*          Adjustable VSP* by variable damper heights          Observation: platform turned into top pier for astro gear          Mount adapters for all common brands and models          Precision leveling by double-locking tilting bolts</p>
<p><b>Dampers</b></p>	<p>Serial damping of high- versus low-frequency vibrations          Optimized 4-tier symmetric damping          Non-metallic floating-bed connectors          Progressive damping strengths (combined force 4-13 kN)</p>
<p><b>Tripod unit</b></p>	<p>Enabling full release of rig from chassis          Automatic self-leveling of legs and thereby whole rig          Automatic drop-lock anchoring mechanism to ground          Central 3-lane wire winch for folding/unfolding of legs          Motorized by linear actuator and handheld drill (2 Nm)</p>

\* COG (center of gravity) and VSP (virtual suspension point)



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## US Patent granted in nine months

It took just nine months to pull the application through the rigorous USPTO patent procedure. Normal time is 2-4 years.

A couple of years ago, the fellow astro enthusiast [Oleg Bouevitch](#) contributed to the prototype's wall decorations with his astonishing Gibbous Moon. But now, he is also the one who drafted the application and managed the whole process based on trailer dome's specifications.

Oleg is thus not only a genuine astro enthusiast but also an experienced and Registered Canadian and US Patent Agent at [Teitelbaum & Bouevitch](#). Who just recently visited Malmö from Ottawa where he lives, here in black shirt in front of his own moon..

