Title (en)

STAND-ON-LAND VEHICLE FOR SIMULATING SKIING

Title (de)

LANDFAHRZEUG ZUM DARAUF STEHEN ZUR SIMULATION DES SKIFAHRENS

Title (fr)

VÉHICULE TERRESTRE À PILOTE DEBOUT POUR SIMULATION DE SKI

Publication

EP 3452184 A1 20190313 (EN)

Application

EP 16901147 A 20160506

Priority

US 2016031265 W 20160506

Abstract (en)

[origin: WO2017192150A1] A stand-on land vehicle, for simulating snow skiing, features a side-by-side pair of platforms, coupled and supported (a) at the rear by an angled tilt-turn mount under each, integrated with a shared axle assembly fitted at its ends with a pair of rear wheels, located at opposite sides of the vehicle, and (b) at the front by a tilt-turn mount system including a strut/spacer framework attached to a pair of user handling bars, and to at least one front wheel, typically a roller, via an associated inclined swivel-caster type mount assembly. This novel combination accomplishes dual -platform tilt-turning in response to the user's body movements that simulates the superior snow-skiing technique of skewing the skis longitudinally for banked turns as in zig-zagging downhill. The invention actually enables sustained self-propulsion, zig¬ zagging on level concrete and paved surfaces, powered only by user body movements during turns and enhanced by low-friction roller-wheels for free-wheeling coasting on straight runs, and is thus capable of providing, on dry land, both recreational pleasure and highly effective training and practice for snow-skiing for snow skiers of all ages and skill levels.

IPC 8 full level

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CPC (source: EP)

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