

Title (en)  
VERSATILE TRANSLATIONAL AND ROTATIONAL MOTION SIMULATOR

Title (de)  
VIELSEITIGER TRANSLATIONS- UND ROTATIONSBEWEGUNGSSIMULATOR

Title (fr)  
SIMULATEUR DE MOUVEMENT DE TRANSLATION ET DE ROTATION POLYVALENT

Publication  
**EP 3436913 A4 20200115 (EN)**

Application  
**EP 17776719 A 20170330**

Priority  
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Abstract (en)  
[origin: CN109154867A] A versatile translational and rotational motion simulator comprising a first apparatus to translate a user in a first linear direction; a second apparatus to translate the user in a second linear direction; a third apparatus to translate the user in a third linear direction; a fourth apparatus disposed on the third apparatus to support the user throughout the first, second, and third linear translations; a gimbal assembly disposed on the fourth apparatus and including a positional tracking sensor and/or reference device to track the position of a user's head; a virtual reality device to create a virtual reality scene within the mind of the user; a sound system to create an auditory sensation within the mind of the user; microelectronics; and a programmable controller, the simulator being operable to translate the user forward and backward in the first, second, and third linear directions and the first, second, and third rotational directions simultaneously.

IPC 8 full level  
**A63G 31/16** (2006.01); **G06F 3/048** (2013.01)

CPC (source: EP US)  
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Citation (search report)  
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• [A] US 8038541 B1 20111018 - SOLOMON JARED FREEMAN [US]  
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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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CN 109154867 A 20190104; CN 109154867 B 20220517; EP 3436913 A2 20190206; EP 3436913 A4 20200115; EP 3436913 B1 20211124

DOCDB simple family (application)  
CN 201780030769 A 20170330; EP 17776719 A 20170330