

Title (en)  
SCALE MODEL COURSE

Title (de)  
MASSSTABGETREUER MODELLVERLAUF

Title (fr)  
MODÈLE RÉDUIT DE PISTE DE COURSE

Publication  
**EP 2618901 A4 20150325 (EN)**

Application  
**EP 11807139 A 20110712**

Priority  
• SE 1000763 A 20100713  
• SE 2011000133 W 20110712

Abstract (en)  
[origin: WO2012008895A1] The present invention relates to a scale model course (1), designed to simulate real-world conditions with a high degree of realism. The scale model course (1) includes a course (2) comprised of an upper course section (8) on which at least one model (3) is designed to travel on its topside (10) and at least one second lower course section (11) which together form an intermediate space (15) in which at least one radio-controlled drive unit (4) is designed to operate. The drive unit (4) is via at least one magnetic coupler (5) linked with a model (3) on the topside (10) of the upper course section (8) allowing the model's (3) movement of the upper course section (8) to be controlled by the drive unit's (4) movement on the lower course section (11). The present scale model course's unique feature is that the coupler (5) includes at least one first coupling body (47) and at least one second coupling body (48), whose first coupling body (47) is comprised of at least one first magnetic trolley (49) which is connected with at least one arm (42) to the drive unit (4) and whose second coupling body (48) includes at least one magnetic body (59) which is intended to slide on the surface of the topside (10) of the upper course section (8), whose coupling body is attached to the model via a flexible elongated connection part (44) in essentially a vertical direction.

IPC 8 full level  
**A63F 9/14** (2006.01); **A63H 18/10** (2006.01); **A63H 18/14** (2006.01); **A63H 30/04** (2006.01); **A63H 17/26** (2006.01); **A63H 23/02** (2006.01)

CPC (source: EP SE)  
**A63F 9/143** (2013.01 - SE); **A63H 17/262** (2013.01 - EP); **A63H 18/10** (2013.01 - EP SE); **A63H 18/14** (2013.01 - EP); **A63H 23/02** (2013.01 - EP); **A63H 30/04** (2013.01 - SE); **A63H 30/04** (2013.01 - EP)

Citation (search report)  
• [AD] DE 3529097 A1 19870226 - PEYLO ERHARD DIPL ING  
• [AD] US 5601490 A 19970211 - NAKAGAWA TOSHIAKI [JP], et al  
• [A] DE 4302927 A1 19940818 - KIMMICH ROLAND [DE]  
• [A] WO 0012185 A1 20000309 - SEGA ENTERPRISES KK [JP], et al  
• See references of WO 2012008895A1

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

DOCDB simple family (publication)  
**WO 2012008895 A1 20120119**; EP 2618901 A1 20130731; EP 2618901 A4 20150325; EP 2618901 B1 20180307; SE 1000763 A1 20120114; SE 536507 C2 20140107

DOCDB simple family (application)  
**SE 2011000133 W 20110712**; EP 11807139 A 20110712; SE 1000763 A 20100713