

Title (en)  
Electromagnetic rocking chair

Title (de)  
Elektromagnetischer Schaukelstuhl

Title (fr)  
Chaise à bascule électromagnétique

Publication  
**EP 2422657 A1 20120229 (EN)**

Application  
**EP 10174441 A 20100827**

Priority  
EP 10174441 A 20100827

Abstract (en)  
An electromagnetic rocking chair comprises a base, a chair seat, two fixed rods, and two suspension rods (9). Each of the fixed rods has a lower end fixed on one end of the base, and a transverse shaft is fixed on both upper ends of the fixed rods. An upper end of the respective suspension rods (9) is pivotally connected to the transverse shaft, and the chair seat is disposed between the two suspension rods. A permanent magnet (8) is disposed at the lower end of one of the suspension rods, and under the permanent magnet are disposed two electromagnets (1) fixed on the base. On the base are further fixed two displacement sensors (3). The two electromagnets (1) and two displacement sensors (3) are connected to a control circuit on a circuit board (2). The electromagnetic rocking chair has advantages of simple and reasonable structure design, stable running, no noise, adjusting rocking amplitude and the like.

IPC 8 full level  
**A47D 13/10** (2006.01); **A47C 3/02** (2006.01)

CPC (source: EP US)  
**A47C 3/0251** (2018.07 - EP US); **A47C 3/0255** (2013.01 - EP US)

Citation (search report)  
• [X] CN 201360795 Y 20091216 - MEISHENG DENG [CN]  
• [A] US 6908398 B1 20050621 - KANG SOON-DONG [KR]  
• [A] CN 2747774 Y 20051221 - LIU YOUMING [CN]

Cited by  
CN108260980A; CN104106946A

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 SE SI SK SM TR

Designated extension state (EPC)  
BA ME RS

DOCDB simple family (publication)  
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