

Title (en)
DENTAL PATIENT CHAIR

Title (de)
ZAHNARZTPATIENTENSTUHL

Title (fr)
FAUTEUIL DENTAIRE

Publication
EP 3108867 A1 20161228 (EN)

Application
EP 16175492 A 20160621

Priority
IT UB20151600 A 20150623

Abstract (en)
Mechanism for moving reclining chairs (1), preferably dental patient chairs, comprising a backrest (2) and a seat (3) moving relative to each other, and wherein said backrest is supported by an oscillating mechanism, further comprising: - at least a cam (14) having a pre-set curvilinear contour; said cam supports said seat and is at least oscillating around an axis substantially corresponding to an oscillating axis of the seat; - at least a carriage, a slide or similar elements (12); - at least a leading hole (11) for said carriage (12); characterized in that said leading hole (11) extends substantially in the direction of the contour of said cam, and said carriage (12) has cooperating means with the contour of said cam (14), while said carriage (12) is slidably actuated by the oscillating mechanism of the backrest, so that when said carriage (12) slides inside said leading hole (11) thanks to an actuating system, said carriage (12), interfering with cam's (14) contour, commands at least an oscillatory movement controlled by the contour of the cam (14) itself.

IPC 8 full level
A47C 1/032 (2006.01); **A61G 15/02** (2006.01); **A61G 15/12** (2006.01)

CPC (source: CN EP)
A61G 15/02 (2013.01 - CN EP); **A61G 15/10** (2013.01 - CN); **A61G 15/12** (2013.01 - EP)

Citation (applicant)
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• EP 0253943 A2 19880127 - CASTELLINI SPA [IT]
• US 4173372 A 19791106 - NORRIS FLOYD E [US]
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Citation (search report)
• [A] DE 202011109649 U1 20120314 - SIRONA DENTAL SYSTEMS GMBH [DE]
• [A] DE 7507514 U

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EP3643285A1; IT201800009691A1; JP2020065927A; CN111329711A; US10959900B2

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3108867 A1 20161228; EP 3108867 B1 20181205; CN 106264962 A 20170104; CN 106264962 B 20191220

DOCDB simple family (application)
EP 16175492 A 20160621; CN 201610464627 A 20160623