

Title (en)  
Resilient sports floor

Title (de)  
Sportschwingboden

Title (fr)  
Plancher de sport élastique

Publication  
**EP 1231336 A1 20020814 (EN)**

Application  
**EP 01102692 A 20010207**

Priority  
EP 01102692 A 20010207

Abstract (en)  
The subject of the invention is a resilient sports floor consisting of arcuate shaped laths with equally distributed bending rigidity (4) and of arcuate shaped laths with equally distributed bending rigidity (4'), the latter being put rectangularly across the former ones. This elastic construction is covered by a holding plate (9) which is the base for laying parquet blocks (8). <IMAGE>  
The floor comprises a plurality of arcuate laths (4,4') that form a support grid. The laths arcuate shape faces away from the floor surface. Adjacent laths form sinusoidal, parabolic or wedge shaped shape. Plates are inserted under the laths. The laths grid is covered by a holding plate (9) that forms the base for laying the parquet blocks (8). A rubber or any other elastic material (11) is laid under the laths. A hydro-isolation foil (12) is laid under the whole construction.

IPC 1-7  
**E04F 15/22**

IPC 8 full level  
**E04F 15/22** (2006.01)

CPC (source: EP)  
**E04F 15/225** (2013.01)

Citation (search report)  
• [XA] GB 578294 A 19460624 - BJOERN VALEUR LARSEN  
• [A] FR 1276467 A 19611117 - BEMBE PARKETT FABRIK JUCKER &  
• [A] AT 389552 B 19891227 - FISCHER JOHANN [AT]

Cited by  
EP1591601A1; US2020190830A1; US10731359B2; US11255093B2; WO2019087107A1

Designated contracting state (EPC)  
AT DE IT SE

DOCDB simple family (publication)  
**EP 1231336 A1 20020814**

DOCDB simple family (application)  
**EP 01102692 A 20010207**