Title (en)
  PNEUMATIC MATTRESS

Title (de)
  PNEUMATISCHE LIEGE

Title (fr)
  MATELAS PNEUMATIQUE

Publication
  EP 1239756 B1 20051019 (DE)

Application
  EP 01916834 A 20010409

Priority
  • CH 0100223 W 20010409
  • CH 23182000 A 20001129

Abstract (en)
  [origin: US6643868B2] A pneumatic couch includes an airtight envelope divided into a lower skin and an upper skin. The airtight envelope includes low-stretch material. The pneumatic couch also includes at least one valve for inflation with compressed air and deflation. Between the lower skin and the upper skin, a plurality of flexible webs are arranged running in vertical planes substantially parallel to each other. The flexible webs comprise low-stretch material and are joined over the entire length of the flexible webs both to the lower skin and to the upper skin. At an upper and a lower end of the couch, the airtight envelope overlaps the flexible webs and the lower skin and the upper skin are joined airtight. The airtight envelope overlaps an outermost web on a first and second long side and the lower skin and the upper skin are joined airtight. On one long side of the couch both the lower skin and the upper skin continue past the airtight joint, and are taken around a rear wall and joined to each other, and form a back part. The back part is substantially of the same length and shape as an adjacent web, and the rear wall is so constructed that the rear wall can be fastened onto a load bearing wall or to a suitable bearing construction. The couch thereby assumes the shape of a cantilever.

IPC 1-7
  A47C 27/08

IPC 8 full level
  A47C 9/06 (2006.01); **A47C 27/08** (2006.01)

CPC (source: EP US)
  A47C 17/38 (2013.01 - EP US); **A47C 27/081** (2013.01 - EP US); **A47C 27/087** (2013.01 - EP US)

Cited by
  WO2008040133A1; US8822024B2

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DOCDB simple family (publication)
  WO 0150918 A2 20010719; **WO 0150918 A3 20020725**; AT E306838 T1 20051115; CA 2366098 A1 20010719; CA 2366098 C 20090811; CN 1142738 C 20040324; CN 1398167 A 20030219; DE 50107744 D1 20051124; EP 1239756 A2 20020918; EP 1239756 B1 20051019; HK 1053415 A1 20031024; JP 2003519518 A 20030624; JP 5193411 B2 20130508; US 2003070237 A1 20030417; US 6643868 B2 20031111

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