

Title (en)

Heated or cooled cushion pad

Title (de)

Beheiztes oder gekühltes Polster

Title (fr)

Coussin avec système de chauffage et de refroidissement

Publication

EP 1129647 B1 20121024 (EN)

Application

EP 00301606 A 20000229

Priority

EP 00301606 A 20000229

Abstract (en)

[origin: EP1129647A1] A cushion pad 10 for an automobile seat or a mattress has an internal plenum 16 connected to a heat pump 44 through an air inlet duct 42. The bottom and sides of the plenum 16 are covered with an air impervious layer 14. The top of the plenum is covered with an air permeable layer 20. The plenum 16 is formed as a plurality of tubes arranged side by side in a single layer. The walls of the tubes are formed as an open weave of monofilaments 36 so that pressurised conditioned air from the heat pump 44 passing into the plenum 16 through the air inlet duct 42 can pass along the tubes with a relatively low back pressure and transversely through the walls of the tube and through the air permeable layer with a higher back pressure. <IMAGE>

IPC 8 full level

A47C 21/04 (2006.01); **A47C 7/74** (2006.01)

CPC (source: EP)

A47C 7/74 (2013.01); **A47C 7/748** (2013.01); **A47C 21/048** (2013.01)

Cited by

CN110638248A; WO2014121273A3; US9155398B2; US9833077B2; WO2022051851A1

Designated contracting state (EPC)

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