

Title (en)  
HUMIDITY-REGULATING COMPOSITE MATERIALS

Title (de)  
FEUCHTIGKEITSREGULIERENDE VERBUNDSTOFFE

Title (fr)  
MATIERES COMPOSITES REGULATRICES D'HUMIDITE

Publication  
**EP 1869246 A1 20071226 (DE)**

Application  
**EP 06725526 A 20060403**

Priority

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- DE 102005015536 A 20050404

Abstract (en)  
[origin: DE102005015536A1] Moistures regulating composite material comprises at least one laminar substrate, at least one water-soluble hygroscopic substance and at least one water-absorbing polymerized polymer, which is present on the hygroscopic substance or the laminar substrate, where the ratio of hygroscopic substance to polymer is 0.01-1. Independent claims are included for: (1) the preparation of the composite materials; and (2) a cushion seat or mattress comprising the composite materials.

IPC 8 full level  
**A61F 13/00** (2006.01); **C08J 5/10** (2006.01); **C08J 5/24** (2006.01); **C08J 7/04** (2006.01); **D06M 11/13** (2006.01); **D06M 11/48** (2006.01); **D06M 11/56** (2006.01); **D06M 11/64** (2006.01); **D06M 13/148** (2006.01); **D06M 15/11** (2006.01); **D06M 15/21** (2006.01); **D06M 15/263** (2006.01); **D06M 15/285** (2006.01); **D06M 15/333** (2006.01); **D06M 15/356** (2006.01); **D06N 3/00** (2006.01); **D06N 3/04** (2006.01)

CPC (source: EP US)  
**C08J 5/10** (2013.01 - EP US); **D06M 11/13** (2013.01 - EP US); **D06M 11/48** (2013.01 - EP US); **D06M 11/56** (2013.01 - EP US); **D06M 11/64** (2013.01 - EP US); **D06M 13/148** (2013.01 - EP US); **D06M 14/00** (2013.01 - US); **D06M 15/11** (2013.01 - EP US); **D06M 15/21** (2013.01 - EP US); **D06M 15/263** (2013.01 - EP US); **D06M 15/285** (2013.01 - EP US); **D06M 15/333** (2013.01 - EP US); **D06M 15/356** (2013.01 - EP US); **D06N 3/0056** (2013.01 - EP US); **D06N 3/04** (2013.01 - EP US); **D06N 3/042** (2013.01 - EP US); **C08J 2333/02** (2013.01 - EP US); **Y10T 428/31504** (2015.04 - EP US); **Y10T 442/2484** (2015.04 - EP US)

Citation (search report)  
See references of WO 2006106096A1

Citation (examination)  
US 2003008591 A1 20030109 - PARSONS JOHN C [US], et al

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