

Title (en)  
ENERGY EXCHANGE ASSEMBLY WITH MICROPOROUS MEMBRANE

Title (de)  
ENERGIEAUSTAUSCHANORDNUNG MIT EINER MIKROPORÖSEN MEMBRAN

Title (fr)  
ENSEMBLE D'ÉCHANGE D'ÉNERGIE AVEC MEMBRANE MICROPOREUSE

Publication  
**EP 2972048 A4 20170111 (EN)**

Application  
**EP 14764713 A 20140304**

Priority  
• US 201361784638 P 20130314  
• US 201414192019 A 20140227  
• CA 2014000169 W 20140304

Abstract (en)  
[origin: US2014262125A1] An energy exchange assembly may include one or more membrane panels. The one or more membrane panels may include a microporous membrane that has a pore size between 0.02 and 0.3 micrometers (μm) and a porosity between 45% and 80%. Optionally, the energy exchange assembly may further include a plurality of spacers that define air channels. The air channels may be configured to receive air streams therethrough. Each of the one or more membrane panels may be disposed between two spacers. The one or more membrane panels may be configured to allow a transfer of sensible energy and latent energy across the one or more membrane panels between the air channels.

IPC 8 full level  
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Citation (search report)  
• [X1] WO 2009158030 A1 20091230 - GORE ENTERPRISE HOLDINGS INC [US], et al  
• [X1] EP 0661502 A2 19950705 - JAPAN GORE TEX INC [JP]  
• [A] WO 2008089484 A1 20080724 - DAIS ANALYTIC CORP [US], et al  
• See also references of WO 2014138859A1

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**US 2014262125 A1 20140918**; AU 2014231680 A1 20150910; CA 2901492 A1 20140918; CN 105143811 A 20151209; EP 2972048 A1 20160120; EP 2972048 A4 20170111; WO 2014138859 A1 20140918

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