

Title (en)  
REFRIGERATED VAPOR RECOVERY SYSTEM

Title (de)  
SYSTEM ZUR GEWINNUNG VON GEKÜHLTEM DAMPF

Title (fr)  
SYSTÈME DE RÉCUPÉRATION DE VAPEURS RÉFRIGÉRÉ

Publication  
**EP 2911770 A1 20150902 (EN)**

Application  
**EP 13860727 A 20130320**

Priority  
• US 201261797306 P 20121204  
• US 2013033078 W 20130320

Abstract (en)  
[origin: WO2014088630A1] Volatile vapors are removed from a storage vessel by establishing a flow of a stream of volatile vapors from the storage vessel and directing the vapor stream through a heat exchange module for condensing a portion of the vapors in the stream flowing through a cooled heat exchange condensers in the heat exchange module. The uncondensed vapors in the vapor stream are then directed to a carbon adsorption module including a pair of carbon adsorption units. The vapor recovery system also provides a means of desorbing a carbon adsorption unit that approaches its capacity for adsorbing volatile organic molecules and recycling the desorbed vapor stream through a cooled heat exchange condenser to convert the volatile organic material into a liquid state that may be sold as a product or utilized as a raw material rather than being combusted or otherwise disposed of in the atmosphere.

IPC 8 full level  
**B01D 59/26** (2006.01); **B01D 53/04** (2006.01); **B01D 53/047** (2006.01)

CPC (source: EP GB)  
**B01D 1/30** (2013.01 - GB); **B01D 5/00** (2013.01 - GB); **B01D 53/00** (2013.01 - GB); **B01D 53/002** (2013.01 - EP); **B01D 53/0438** (2013.01 - EP); **B01D 53/047** (2013.01 - EP); **B01D 53/0476** (2013.01 - EP); **B01D 53/30** (2013.01 - EP); **B01D 59/26** (2013.01 - GB); **B01D 2253/102** (2013.01 - EP); **B01D 2257/708** (2013.01 - EP); **B01D 2259/4516** (2013.01 - EP); **B01D 2259/4525** (2013.01 - EP)

Designated contracting state (EPC)  
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