

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 53/04 (2006.01); **B01D 53/047** (2006.01); **B01D 59/26** (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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Designated extension state (EPC)
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DOCDB simple family (application)
US 2013033078 W 20130320; EP 13860727 A 20130320; GB 201412280 A 20130320