

Title (en)
RECIRCULATING BUBBLE ABSORBER

Title (de)
ZIRKULIERENDER BLASENABSORBER

Title (fr)
ABSORBEUR A BARBOTAGE AVEC REMISE EN CIRCULATION

Publication
EP 1015100 A4 20010228 (EN)

Application
EP 97940589 A 19970822

Priority
US 9714773 W 19970822

Abstract (en)
[origin: WO9910091A1] An absorber for absorbing a vapor into a sorbent liquid comprising vertical cylinders (1, 2) forming an annulus which is divided into multiple compartments by partitions consisting of cross-members (7) and perpendicular members (5). Vapor is injected into the bottom portion of each compartment by injection ports (10), resulting in concurrent upflow absorption. The compartments are pressure equalized via equalization ports (10), and may be in thermal contact with a heat exchange compartment (12). Liquid flows through the compartments in a serial pathway through liquid transport passages (4). The absorber may be embodied in geometries other than vertical cylinders.

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IPC 8 full level
B01D 53/18 (2006.01); **B01J 10/00** (2006.01); **B01J 19/24** (2006.01); **F25B 37/00** (2006.01); **F28D 7/10** (2006.01)

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B01D 53/18 (2013.01); **B01J 10/002** (2013.01); **B01J 19/24** (2013.01); **F25B 37/00** (2013.01); **F28D 7/106** (2013.01); **B01J 2219/00128** (2013.01); **B01J 2219/00162** (2013.01); **B01J 2219/185** (2013.01); **B01J 2219/1943** (2013.01)

Citation (search report)
• [E] US 5660049 A 19970826 - ERICKSON DONALD C [US]
• [A] EP 0129272 A1 19841227 - FDO TECHN ADVISEURS [NL]
• See references of WO 9910091A1

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