

Title (en)

SHIELDING OF HEAT EXCHANGERS IN COLUMNS

Title (de)

ABSCHIRMUNG VON WÄRMETAUSCHERN IN KOLONNEN

Title (fr)

PROTECTION DES ECHANGEURS THERMIQUES DANS LES TOURS

Publication

**EP 1861665 A4 20090902 (EN)**

Application

**EP 05730019 A 20050324**

Priority

US 2005009861 W 20050324

Abstract (en)

[origin: WO2006104476A2] Disclosed is a method and an apparatus for exchanging heat in a column by passing a first vapor phase through a heat exchanger (4) in the column to exchange heat with a first stream and produce a second vapor phase in the column. The second vapor phase is passed through a shielding device (12) located above the heat exchanger (4) and the shielding device (12) prevents descending liquid from contacting the heat exchanger (12). The shielding device (12) may be interposed between two heat exchangers (12, 22) in the column.

IPC 8 full level

**B01F 3/04** (2006.01); **B01D 3/14** (2006.01); **B01D 5/00** (2006.01)

CPC (source: EP)

**B01D 3/32** (2013.01); **B01D 5/0063** (2013.01); **F28B 1/00** (2013.01)

Citation (search report)

- [X] US 2617758 A 19521111 - LOUIS MASSIOT
- [X] US 2662850 A 19531215 - KRAFT WHEATON W
- [A] GB 2283435 A 19950510 - EBORTEC LIMITED [GB]
- [A] DE 19923439 A1 20001123 - LAUSITZER TEPPICHFASERWERK GMB [DE]
- [A] BE 526211 A
- [A] WO 9111238 A1 19910808 - SPORTS MARINE INTERNATIONAL PT [AU]
- See references of WO 2006104476A2

Designated contracting state (EPC)

DE ES FR GB NL

DOCDB simple family (publication)

**WO 2006104476 A2 20061005; WO 2006104476 A3 20071101**; CN 101146599 A 20080319; EP 1861665 A2 20071205; EP 1861665 A4 20090902; JP 2008534257 A 20080828

DOCDB simple family (application)

**US 2005009861 W 20050324**; CN 200580049228 A 20050324; EP 05730019 A 20050324; JP 2008502958 A 20050324