

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 A2 20071205 (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)

Designated contracting state (EPC)

DE ES FR GB NL

Designated extension state (EPC)

AL BA HR LV MK YU

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