

Title (en)  
FLUIDIZED BED.

Title (de)  
WIRBELBETT.

Title (fr)  
LIT FLUIDISE.

Publication  
**EP 0333767 A1 19890927 (EN)**

Application  
**EP 88900319 A 19871207**

Priority  
US 94024886 A 19861210

Abstract (en)  
[origin: WO8804199A1] A fluidized bed vessel (10) including horizontal heat exchanger tube banks (14A, 14B, 14M) having tubes spaced from each other to provide for essentially plug flow of gas through the vessel and breaking of rising bubbles while also obtaining adequate heat transfer and solids exchange. The vessel is particularly useful for producing maleic anhydride.

Abstract (fr)  
Une enceinte à lit fluidisé (10) comprend des rampes horizontales de tubes échangeurs de chaleur (14A, 14B, 14M), ces tubes étant espacés les uns des autres afin d'assurer un écoulement pratiquement idéal du gaz à travers l'enceinte et la rupture des bulles montantes tout en permettant également un transfert thermique et un échange de particules solides appropriés. Cette enceinte est particulièrement utile pour produire de l'anhydride maléique.

IPC 1-7  
**B01J 8/24; C07C 51/215; C07C 57/145**

IPC 8 full level  
**B01J 8/18** (2006.01); **B01J 8/24** (2006.01); **C07B 61/00** (2006.01); **C07C 51/215** (2006.01); **C07D 307/60** (2006.01)

CPC (source: EP KR)  
**B01J 8/1836** (2013.01 - EP); **B01J 8/24** (2013.01 - KR); **C07C 51/215** (2013.01 - EP); **B01J 2208/00097** (2013.01 - EP); **B01J 2208/00132** (2013.01 - EP)

Citation (search report)  
See references of WO 8804199A1

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**WO 8804199 A1 19880616**; BR 8707910 A 19891003; CN 87108228 A 19880629; EP 0333767 A1 19890927; JP H01503211 A 19891102; KR 890700045 A 19890302; KR 910006861 B1 19910909

DOCDB simple family (application)  
**US 8703194 W 19871207**; BR 8707910 A 19871207; CN 87108228 A 19871210; EP 88900319 A 19871207; JP 50069688 A 19871207; KR 880700935 A 19880808