

Title (en)

OXIDATION PROCESS AND REACTOR WITH MODIFIED FEED SYSTEM

Title (de)

OXIDATIONSVERFAHREN UND REAKTOR MIT MODIFIZIERTER ZURÜHRVORRICHTUNG

Title (fr)

PROCEDE D'OXYDATION ET REACTEUR COMPRENANT UN SYSTEME D'ALIMENTATION MODIFIE

Publication

**EP 1660225 A1 20060531 (EN)**

Application

**EP 03818197 A 20030731**

Priority

US 0323933 W 20030731

Abstract (en)

[origin: WO2005016509A1] In an oxidation process in a shell and tube reactor (10), an improvement is disposing a short bed of packing material (30) about the tube (50) inlets. The short bed operates to direct contaminants derived from heat exchange media away from the headspace (20) and thus prevents formation of combustible gas mixtures.

IPC 1-7

**B01J 8/06**; **B01J 8/02**; **C07C 51/25**

IPC 8 full level

**B01J 8/00** (2006.01); **B01J 8/02** (2006.01); **B01J 8/04** (2006.01); **B01J 8/06** (2006.01); **C07C 51/215** (2006.01); **C07C 51/25** (2006.01)

CPC (source: EP)

**B01J 8/0085** (2013.01); **B01J 8/0278** (2013.01); **B01J 8/048** (2013.01); **B01J 8/067** (2013.01); **C07C 51/215** (2013.01); **C07C 51/252** (2013.01); **B01J 2208/00212** (2013.01); **B01J 2208/00522** (2013.01); **B01J 2219/30416** (2013.01)

Citation (search report)

See references of WO 2005016509A1

Citation (examination)

GEIRINGER P.L.: "Handbook of Heat Transfer Media", 1962, REINHOLD PUBLISHING CORPORATION, NEW YORK

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2005016509 A1 20050224**; BR 0318401 A 20060801; CN 1819869 A 20060816; EP 1660225 A1 20060531; JP 2007521126 A 20070802; MX PA06001255 A 20060515

DOCDB simple family (application)

**US 0323933 W 20030731**; BR 0318401 A 20030731; CN 03826973 A 20030731; EP 03818197 A 20030731; JP 2005507860 A 20030731; MX PA06001255 A 20030731