

Title (en)

CONTROL OF AMMONIA AND/OR AIR FEED INTO AN AMMOXIDATION REACTOR

Title (de)

STEUERUNG VON AMMONIAK- UND/ODER LUFTZUFUHR IN EINEN AMMOXIDATIONSREAKTOR

Title (fr)

COMMANDE D'ALIMENTATION EN AMMONIAC ET/OU EN AIR D'UN RÉACTEUR D'AMMOXYDATION

Publication

**EP 3160634 A1 20170503 (EN)**

Application

**EP 15731470 A 20150615**

Priority

- CN 201410295420 A 20140627
- US 2015035791 W 20150615

Abstract (en)

[origin: WO2015200022A1] A process and system are provided for controlling an amount of ammonia and/or air provided to an ammoxidation reactor. The process includes maintaining a pH of a quench water bottoms and adjusting an amount of ammonia in a reactor feed to provide an ammonia to hydrocarbon ratio of about 1 to about 2 in the reactor feed. Further, the process may include adjusting an amount of air the reactor feed to provide an air to hydrocarbon ratio of about 9 to about 10 in the reactor feed.

IPC 8 full level

**B01J 8/18** (2006.01); **C07C 253/26** (2006.01); **C07C 253/34** (2006.01)

CPC (source: CN EP KR)

**B01J 4/008** (2013.01 - CN); **B01J 8/1809** (2013.01 - CN EP KR); **B01J 8/1818** (2013.01 - CN); **B01J 8/1827** (2013.01 - EP KR); **B01J 8/1836** (2013.01 - EP KR); **B01J 8/24** (2013.01 - CN); **C07C 253/18** (2013.01 - CN); **C07C 253/24** (2013.01 - KR); **C07C 255/08** (2013.01 - KR); **B01J 2208/00141** (2013.01 - EP KR); **B01J 2208/00592** (2013.01 - EP KR); **B01J 2208/00628** (2013.01 - EP KR); **B01J 2208/00893** (2013.01 - CN); **B01J 2208/00911** (2013.01 - EP KR); **B01J 2219/00202** (2013.01 - EP KR); **B01J 2219/00231** (2013.01 - EP KR); **C07C 253/24** (2013.01 - EP)

Citation (search report)

See references of WO 2015200022A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2015200022 A1 20151230**; CN 104028172 A 20140910; CN 104028172 B 20180525; CN 107252663 A 20171017; EA 201692340 A1 20170831; EP 3160634 A1 20170503; JP 2017520579 A 20170727; KR 20170023847 A 20170306; TW 201605772 A 20160216

DOCDB simple family (application)

**US 2015035791 W 20150615**; CN 201410295420 A 20140627; CN 201710629634 A 20140627; EA 201692340 A 20150615; EP 15731470 A 20150615; JP 2016575540 A 20150615; KR 20167036120 A 20150615; TW 104118913 A 20150611