

Title (en)
VESSEL FOR COOLING SYNGAS

Title (de)
BEHÄLTER ZUM ABKÜHLEN VON SYNGAS

Title (fr)
Récipient pour le refroidissement de gaz de synthèse

Publication
EP 2364345 B1 20170125 (EN)

Application
EP 09763971 A 20091203

Priority

- EP 2009066375 W 20091203
- EP 08170722 A 20081204
- EP 09763971 A 20091203

Abstract (en)
[origin: US2010139581A1] A vessel for cooling syngas comprising a syngas collection chamber and a quench chamber, wherein the syngas collection chamber has a syngas outlet which is fluidly connected with the quench chamber via a tubular diptube, wherein the diameter of the diptube at the end nearest to the syngas collection chamber is greater than the diameter of the diptube at the end terminating at the quench chamber.

IPC 8 full level
C10J 3/48 (2006.01); **C10J 3/76** (2006.01); **C10J 3/84** (2006.01); **C10K 1/04** (2006.01); **C10K 1/10** (2006.01); **F28C 3/06** (2006.01)

CPC (source: EP US)
C10J 3/485 (2013.01 - EP US); **C10J 3/76** (2013.01 - EP US); **C10J 3/84** (2013.01 - EP US); **C10J 3/845** (2013.01 - EP US); **C10K 1/04** (2013.01 - EP US); **C10K 1/101** (2013.01 - EP US); **F28C 3/06** (2013.01 - EP US); **C10J 2200/152** (2013.01 - EP US)

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
US 2010139581 A1 20100610; AU 2009324116 A1 20100610; AU 2009324116 B2 20130620; CN 102239235 A 20111109; CN 102239235 B 20140108; EP 2364345 A1 20110914; EP 2364345 B1 20170125; PL 2364345 T3 20171130; WO 2010063809 A1 20100610; ZA 201103969 B 20120125

DOCDB simple family (application)
US 62977109 A 20091202; AU 2009324116 A 20091203; CN 200980148453 A 20091203; EP 09763971 A 20091203; EP 2009066375 W 20091203; PL 09763971 T 20091203; ZA 201103969 A 20110530