

Title (en)
PYROLYSIS SYSTEM

Title (de)
PYROLYSEANLAGE

Title (fr)
SYSTÈME DE PYROLYSE

Publication
EP 3356498 B1 20200513 (DE)

Application
EP 16714438 A 20160406

Priority
• AT 502742015 A 20150407
• EP 2016057474 W 20160406

Abstract (en)
[origin: WO2016162355A1] The invention relates to a pyrolysis plant for the gasification of a mass to be gasified, such as biomass and energetic waste substances, comprising an electrically heated pyrolysis reactor (2) in which a number of guide pipes fitted with conveying devices (18) are arranged horizontally or at a slight inclination, wherein a feed unit (8) is provided to feed an inlet guide pipe (19) with the mass to be gasified, and a gas outlet for conducting away the pyrolysis gas and a conveying device (49) for the discharge of the degassed residue mass are arranged at the discharge end (24) of the outlet guide pipe (23), wherein at least two, preferably three, guide pipes (19, 21, 23), each comprising a conveying device (18), are arranged one above the other and connected via connection shafts (20, 22), such that the guide pipes can be individually heated, the feed unit (8) comprises an airlock (50) that reduces or prevents the access of incoming air, and the pyrolysis reactor (2) is surrounded by a heat insulating jacket (51) that prevents the influx of external air on all sides.

IPC 8 full level
C10J 3/00 (2006.01); **C10B 47/44** (2006.01); **C10J 3/30** (2006.01); **C10J 3/74** (2006.01); **C10J 3/84** (2006.01); **C10K 1/02** (2006.01); **C10K 3/02** (2006.01)

CPC (source: AT EP)
C10B 47/44 (2013.01 - EP); **C10J 3/18** (2013.01 - AT); **C10K 1/024** (2013.01 - EP); **C10K 3/02** (2013.01 - EP)

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

DOCDB simple family (publication)
WO 2016162355 A1 20161013; AT 517016 A1 20161015; AT 517016 B1 20180115; EP 3356498 A1 20180808; EP 3356498 B1 20200513

DOCDB simple family (application)
EP 2016057474 W 20160406; AT 502742015 A 20150407; EP 16714438 A 20160406