

Title (en)

Rotary cylinder dryer for mixtures of virgin inerts and recovery materials for preparing bituminous conglomerates

Title (de)

Drehzylindertrockner für Mischungen aus primären Inertmaterialien und Rückgewinnungsmaterialien zur Herstellung von Bitumenzusammensetzungen

Title (fr)

Séchoir à cylindre rotatif pour mélanges de matériaux de récupération et de gaz inertes vierges pour préparer des conglomerats bitumineux

Publication

EP 2549016 A1 20130123 (EN)

Application

EP 12177181 A 20120719

Priority

IT MI20111352 A 20110720

Abstract (en)

The present invention relates to a rotary cylinder dryer (10) for mixtures of virgin inerts and recovery materials (RAP) for preparing bituminous conglomerates, which comprises a cylinder (11) which is associable with motor means (14) suitable for driving it in rotation around its own longitudinal axis (A) and which is provided with two opposite heads (16, 17), an inlet mouth (18) of a mixture of virgin inerts and of recovery material (RAP) to be dried and which is defined at one of the two heads (16), an outlet mouth (19) of the dried mixture and which is defined at the other one of the two heads (17), at least one burner (20) associated with the head (17) at which the outlet mouth (19) is defined and a tubular body (23), open at the opposite ends (23a, 23b), fixed inside the cylinder (11) and placed coaxially to the longitudinal axis (A) of the cylinder (11), with one of its open ends (23a) facing the burner (20) and at a definite distance from it, and which is characterized in that it comprises at least one auxiliary tubular body (24), open at the opposite ends (24a, 24b), fixed inside the cylinder (11) and placed coaxially the longitudinal axis (A) of it and in succession to the tubular body (23).

IPC 8 full level

E01C 19/05 (2006.01); **E01C 19/10** (2006.01); **F26B 11/04** (2006.01)

CPC (source: EP)

E01C 19/05 (2013.01); **E01C 19/1036** (2013.01); **F26B 11/0418** (2013.01); **E01C 2019/109** (2013.01)

Citation (applicant)

EP 2202473 A1 20100630 - BERNARDI IMPIANTI INTERNAT S P [IT]

Citation (search report)

- [XYI] EP 1624109 A1 20060208 - GHIRARDELLI PLANTS SRL [IT]
- [YDA] EP 2202473 A1 20100630 - BERNARDI IMPIANTI INTERNAT S P [IT]
- [XI] US 4919538 A 19900424 - SWISHER JR GEORGE W [US]
- [X] US 5664881 A 19970909 - HAWKINS MICHAEL [US], et al

Cited by

CN103591778A; EP4246071A1; ITUB20156088A1; EP4357710A1; WO2019111073A1

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)

EP 2549016 A1 20130123; CN 102889760 A 20130123; IT MI20111352 A1 20130121; RU 2012130864 A 20140127

DOCDB simple family (application)

EP 12177181 A 20120719; CN 201210252007 A 20120720; IT MI20111352 A 20110720; RU 2012130864 A 20120719