

Title (en)
METHOD FOR CONTROLLING A SCREW-CONVEYOR CENTRIFUGE

Title (de)
VERFAHREN ZUM ÜBERWACHEN EINER SCHNECKENZENTRIFUGE

Title (fr)
MÉTHODE POUR COMMANDER UNE CENTRIFUGE À VIS CONVOYEUSE

Publication
EP 3507016 B1 20200429 (DE)

Application
EP 17728875 A 20170612

Priority
• DE 102016116391 A 20160901
• EP 2017064255 W 20170612

Abstract (en)
[origin: WO2018041432A1] The invention relates to a method for monitoring a screw centrifuge, in particular a solid-bowl or a screen-type screw centrifuge, comprising the following steps: • a) making available the screw centrifuge and processing a product with the screw centrifuge, wherein solids which are conveyed out of the drum (1) with the screw (2) are removed from the product, • b) determining a current angular speed and determining an average angular speed of the transmission input shaft (11) for the screw (2) over time, • c) evaluating the measurements from step b), and • d) outputting a warning signal and/or changing one or more operating parameters of the screw centrifuge if dynamic changes in the angular speed are detected during the evaluation in step c).

IPC 8 full level
B04B 1/20 (2006.01)

CPC (source: EP US)
B04B 1/2016 (2013.01 - EP US); **B04B 7/06** (2013.01 - US); **B04B 9/10** (2013.01 - US); **B04B 13/00** (2013.01 - US); **B04B 13/003** (2013.01 - US)

Cited by
CN111894816A

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)
DE 102016116391 B3 20180201; DK 3507016 T3 20200720; EP 3507016 A1 20190710; EP 3507016 B1 20200429; PL 3507016 T3 20201019; US 10744518 B2 20200818; US 2019224691 A1 20190725; WO 2018041432 A1 20180308

DOCDB simple family (application)
DE 102016116391 A 20160901; DK 17728875 T 20170612; EP 17728875 A 20170612; EP 2017064255 W 20170612; PL 17728875 T 20170612; US 201716329486 A 20170612