

Title (en)

Method and device for separating fine particles from granulate bulk goods in a pipe

Title (de)

Verfahren und Vorrichtung zur Abscheidung von feinen Partikeln aus granulatförmigen Schüttgütern in einer Rohrleitung

Title (fr)

Procédé et dispositif de séparation de fines particules à partir de produits en vrac en forme de granulés dans une conduite tubulaire

Publication

**EP 2465617 B1 20130501 (DE)**

Application

**EP 11009561 A 20111202**

Priority

DE 102010054849 A 20101217

Abstract (en)

[origin: EP2465617A1] The method involves conveying a product stream (3) in input side of a pipe separator (1) provided in pipeline (2). The annular cross-section (6) of pipe separator is greater than that of pipeline. A diameter-enlarged tubular jacket (40) is provided at outside of the annular cross section of pipe separator. The cleaning air (9) is flowed out at preset angle with respect to product stream in the region of a cleaning layer (16) provided in the inner structure (14) of pipe separator so as to separate fine particles from product stream. An independent claim is included for pipe separator.

IPC 8 full level

**B07B 4/00** (2006.01); **B29C 31/00** (2006.01); **B65G 53/04** (2006.01)

CPC (source: EP US)

**B07B 4/00** (2013.01 - EP US)

Cited by

EP3434379A1; CN104190622A

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)

**EP 2465617 A1 20120620; EP 2465617 B1 20130501**; DE 102010054849 A1 20120621; US 2012168356 A1 20120705; US 8770411 B2 20140708

DOCDB simple family (application)

**EP 11009561 A 20111202**; DE 102010054849 A 20101217; US 201113309059 A 20111201