

Title (en)  
Crusher and use thereof

Title (de)  
Brecher und seine Verwendung

Title (fr)  
Broyeur et son utilisation

Publication  
**EP 2829325 B1 20160629 (EN)**

Application  
**EP 14167308 A 20140507**

Priority  
• DK PA201370256 A 20130507  
• DK PA201370396 A 20130712

Abstract (en)  
[origin: EP2829325A2] A crusher (1) is disclosed for comminuting material, in particular organic material, comprising a comminuting vessel (2) with an inner vertical side wall (3), a drive shaft (5) extending substantially vertically and centrally within said comminuting vessel, a crushing tool (7) arranged on said drive shaft within the comminuting vessel to rotate with the drive shaft, the crushing tool comprising at least one flexible, elongated crushing element (9) having a free end (11), the crusher furthermore comprising crusher drive means (13, 14) arranged to drive the rotation of said drive shaft, the comminuting vessel having an inlet opening (4) and an outlet opening (15), wherein the outlet opening of the comminuting vessel is situated in the cylindrical wall of the comminuting vessel at the horizontal level of said at least one crushing element, wherein the free end of the at least one crushing element extends out through the outlet opening during operation of the crusher when the drive means drives the rotation of the drive shaft and the crushing tool. The use of the crusher is furthermore disclosed, in particular for organic material to be used in the production of biogas.

IPC 8 full level  
**B02C 13/16** (2006.01); **B02C 13/28** (2006.01); **B02C 13/286** (2006.01); **B02C 23/18** (2006.01)

CPC (source: EP)  
**B02C 13/16** (2013.01); **B02C 13/286** (2013.01); **B02C 23/18** (2013.01); **B02C 2013/2816** (2013.01); **B02C 2013/28609** (2013.01); **B02C 2013/28618** (2013.01); **B02C 2013/2869** (2013.01)

Cited by  
CN107470006A; EP3669989A1

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 2829325 A2 20150128; EP 2829325 A3 20150603; EP 2829325 B1 20160629**

DOCDB simple family (application)  
**EP 14167308 A 20140507**