

Title (en)
GRANULATES CONTAINING ENZYMES FOR ANIMAL FOOD

Title (de)
ENZYMHALTIGE GRANULATE FÜR FUTTERMITTEL

Title (fr)
GRANULES ENZYMATIQUES POUR DES ALIMENTS POUR ANIMAUX

Publication
EP 1933636 A1 20080625 (DE)

Application
EP 06793399 A 20060911

Priority

- EP 2006066217 W 20060911
- DE 102005043325 A 20050912

Abstract (en)
[origin: WO2007031482A1] The invention relates to novel granulates containing enzymes, which are suitable as animal food, in addition to a method for the production thereof. The invention also relates to the use of the granulates containing enzymes in animal food compositions and in particular, pellet-like animal food compositions, which are obtained using the granulate containing enzymes. The particles of the enzyme granulates comprise A) a core which contains enzymes having a water content of less than 15 wt. %, preferably, in the region of 1 - 12 wt. %, in particular, in the region of 3 - 10 wt. % and especially in the region of 5 - 9 wt. %, in relation to the weight of the core which contains the enzymes, which contains i) 50 - 96.9 wt. %, preferably, 55 - 94.85 wt. % and, in particular, 60 - 89.7 wt. % of at least one solid carrier material which is suitable for animal food, ii) 0.1 - 10 wt. %, preferably, 0.15 - 5 wt. %, in particular 0.2 - 2 wt. % and especially 0.3 - 1 wt. %, of at least one neutral cellulose derivative which is water-soluble, iii) 3 - 49.9 wt. %, mainly 5 - 49.85 wt. %, in particular 10 - 44.8 wt. % and especially 10 - 39.7 wt. %, of at least one enzyme. The weight proportion of i), ii) and iii) is respectively relative in relation to the non-aqueous components of the core; and B) at least one hydrophobic coating is arranged on the surface of the core, which comprises at least one hydrophobic material selected from wax, saturated fatty acids, esters of saturated fatty acids, polyolefins and polyamides, in an amount of at least 70 wt. %, preferably, at least 80 wt. %, in particular at least 90 wt. % and especially at least 99 wt. %, in relation to the total weight of the coating.

IPC 8 full level
A23K 1/165 (2006.01); **A23K 1/00** (2006.01); **C12N 9/14** (2006.01); **C12N 9/98** (2006.01); **C12N 11/10** (2006.01); **C12N 11/12** (2006.01)

CPC (source: BR EP US)
A23K 20/189 (2016.05 - BR EP US); **A23K 40/10** (2016.05 - BR EP US); **A23K 40/20** (2016.05 - BR EP US); **A23K 40/25** (2016.05 - BR EP US); **A23K 40/30** (2016.05 - BR EP US); **C12Y 301/03026** (2013.01 - BR EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102005043325 A1 20070315; AR 055426 A1 20070822; BR PI0615747 A2 20160823; BR PI0615747 A8 20160823; CN 101291593 A 20081022; EP 1933636 A1 20080625; RU 2008113840 A 20091020; TW 200744472 A 20071216; US 2010068341 A1 20100318; WO 2007031482 A1 20070322

DOCDB simple family (application)
DE 102005043325 A 20050912; AR P060103960 A 20060912; BR PI0615747 A 20060911; CN 200680037894 A 20060911; EP 06793399 A 20060911; EP 2006066217 W 20060911; RU 2008113840 A 20060911; TW 95133570 A 20060912; US 99183406 A 20060911