

Title (en)  
METHOD FOR THE PRODUCTION OF FERTILIZER PRODUCTS FROM RESIDUES

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON DÜNGEMITTELPRODUKTEN AUS RESTSTOFFEN

Title (fr)  
PROCÉDÉ DE FABRICATION DE PRODUITS ENGRAIS À PARTIR DE RÉSIDUS

Publication  
**EP 2635542 A4 20171227 (EN)**

Application  
**EP 11838319 A 20111031**

Priority  
• SE 1051144 A 20101101  
• SE 2011051295 W 20111031

Abstract (en)  
[origin: WO2012060768A1] The present invention describes a process for the production of a fertilizer product from a residual product, said process comprising the steps of dewatering of the residual product and separation of the dry phase and the wet phase, collecting of the dry phase as a product no 1, precipitation of the wet phase to form at least phosphorous (P) in some solid form as a product no 2, stripping of the remaining wet phase to produce ammonia ((NH<sub>3</sub>), (g)) which subsequently is reacted with an acid or a mixture of two or several acids and/or salt solutions to produce nitrogen (N) in some solid form as a product no 3 and agglomeration of at least one of the products no 2 and/or no 3 for the production of a fertilizer product.

IPC 8 full level  
**C05F 7/00** (2006.01); **C02F 1/20** (2006.01); **C02F 1/42** (2006.01); **C02F 1/52** (2006.01); **C02F 1/66** (2006.01); **C02F 9/00** (2006.01); **C02F 11/121** (2019.01); **C02F 11/147** (2019.01); **C05B 7/00** (2006.01); **C05C 3/00** (2006.01); **C05F 1/00** (2006.01); **C05F 3/00** (2006.01); **C05F 9/00** (2006.01); **C02F 101/10** (2006.01); **C02F 101/16** (2006.01)

CPC (source: EP SE US)  
**C02F 11/121** (2013.01 - EP SE US); **C02F 11/147** (2018.12 - EP SE US); **C05B 7/00** (2013.01 - EP US); **C05C 3/00** (2013.01 - EP); **C05F 1/00** (2013.01 - SE); **C05F 3/00** (2013.01 - EP SE); **C05F 7/00** (2013.01 - EP SE); **C05F 9/00** (2013.01 - SE); **C02F 1/20** (2013.01 - EP); **C02F 1/42** (2013.01 - EP); **C02F 1/5236** (2013.01 - EP); **C02F 1/66** (2013.01 - EP); **C02F 9/00** (2013.01 - EP); **C02F 2101/105** (2013.01 - EP); **C02F 2101/16** (2013.01 - EP); **Y02A 40/20** (2017.12 - EP); **Y02P 20/145** (2015.11 - EP)

Citation (search report)  
• [X] US 2002158024 A1 20021031 - VAN SLYKE VICTOR [CA], et al  
• See references of WO 2012060768A1

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)  
**WO 2012060768 A1 20120510**; EP 2635542 A1 20130911; EP 2635542 A4 20171227; SE 1051144 A1 20120502; SE 535315 C2 20120626

DOCDB simple family (application)  
**SE 2011051295 W 20111031**; EP 11838319 A 20111031; SE 1051144 A 20101101