

Title (en)
PARTICLES WITH BIOZIDAL COATING

Title (de)
PARTIKEL MIT BIOZIDER BESCHICHTUNG

Title (fr)
PARTICULES POURVUES D'UN REVÊTEMENT BIOCIDÉ

Publication
EP 3938449 A1 20220119 (DE)

Application
EP 20713212 A 20200313

Priority
• DE 102019106646 A 20190315
• EP 2020056866 W 20200313

Abstract (en)
[origin: CA3128958A1] The invention relates to a method for producing particles with antibacterial coating, comprising the following steps: (a) providing an aqueous suspension that contains a polyamine, a cross-linking agent and a porous organic or inorganic particulate carrier material at a temperature of less or equal 10°C in a mixer to coat the inorganic carrier material with the polyamine; (b) cross-linking the organic polymer in the pores of the inorganic carrier material and simultaneously removing water.

IPC 8 full level
C09D 5/14 (2006.01); **A01N 25/34** (2006.01); **A01N 33/02** (2006.01); **A01N 61/00** (2006.01); **B01D 39/00** (2006.01); **B01J 20/32** (2006.01); **B01J 20/34** (2006.01); **C02F 1/28** (2006.01)

CPC (source: CN EP KR US)
A01N 25/10 (2013.01 - CN EP KR); **A01N 25/26** (2013.01 - CN EP KR US); **A01N 33/04** (2013.01 - CN KR); **A61L 2/232** (2013.01 - CN US); **B01D 39/06** (2013.01 - CN EP); **B01J 20/3204** (2013.01 - CN EP KR); **B01J 20/321** (2013.01 - CN EP KR); **B01J 20/3272** (2013.01 - CN EP KR); **B01J 20/3282** (2013.01 - CN EP KR); **B01J 20/3293** (2013.01 - CN EP KR); **B01J 39/02** (2013.01 - CN US); **B01J 39/09** (2017.01 - CN US); **B01J 39/12** (2013.01 - CN US); **B01J 41/05** (2017.01 - CN US); **B01J 41/07** (2017.01 - CN EP KR US); **B01J 41/14** (2013.01 - CN US); **B01J 47/016** (2017.01 - CN EP KR); **C02F 1/285** (2013.01 - CN KR); **C02F 1/288** (2013.01 - CN EP KR); **C02F 1/42** (2013.01 - CN US); **C02F 1/50** (2013.01 - CN US); **C09D 5/14** (2013.01 - CN KR); **A61L 2101/46** (2020.08 - CN US); **B01D 2239/0442** (2013.01 - CN EP KR); **B01D 2239/0485** (2013.01 - CN EP KR); **C02F 1/285** (2013.01 - EP); **C02F 2001/422** (2013.01 - CN US); **C02F 2101/103** (2013.01 - CN EP KR); **C02F 2101/20** (2013.01 - CN EP KR US); **C02F 2303/04** (2013.01 - CN EP KR US)

C-Set (source: EP)
1. **A01N 25/10 + A01N 33/04**
2. **A01N 25/26 + A01N 33/04**

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102019106646 A1 20200917; AU 2020242757 A1 20210909; CA 3128958 A1 20200924; CN 113574125 A 20211029; CN 113574125 B 20230627; CN 116574405 A 20230811; EP 3938449 A1 20220119; EP 4257556 A2 20231011; EP 4257556 A3 20231206; JP 2022522626 A 20220420; KR 20210142131 A 20211124; TW 202103788 A 20210201; US 2022159949 A1 20220526; WO 2020187746 A1 20200924; ZA 202106740 B 20220727

DOCDB simple family (application)
DE 102019106646 A 20190315; AU 2020242757 A 20200313; CA 3128958 A 20200313; CN 202080020770 A 20200313; CN 202310754392 A 20200313; EP 2020056866 W 20200313; EP 20713212 A 20200313; EP 23189316 A 20200313; JP 2021546769 A 20200313; KR 20217032544 A 20200313; TW 109108544 A 20200316; US 202017437279 A 20200313; ZA 202106740 A 20210910