

Title (en)

MIXER FOR MIXING CHEMICALS INTO PULP

Title (de)

MISCHER ZUM MISCHEN VON CHEMIKALIEN IN ZELLSTOFF

Title (fr)

MÉLANGEUR POUR MÉLANGER DES PRODUITS CHIMIQUES DANS UNE PÂTE

Publication

EP 3874089 A4 20230104 (EN)

Application

EP 19877758 A 20190829

Priority

- SE 1851348 A 20181030
- SE 2019050808 W 20190829

Abstract (en)

[origin: WO2020091640A1] A mixer (1) for mixing chemicals into pulp, comprising: - a chamber (30) with an inlet (32) for pulp and chemicals and an outlet (34) for mixed pulp; said inlet (32) for pulp and chemicals being arranged through a first wall (36) of said chamber (30); - a rotor (10) having a rotor drum (20); said rotor drum (20) being perforated, creating openings (22), and having a cylindrical shape; said rotor (10) being arranged through a second wall (37), opposite to said first wall (36), of said chamber (30) and arranged for rotating said rotor drum (20) around a rotation axis (S) coinciding with an inflow direction (A) of said pulp and chemicals through said inlet (32) for pulp and chemicals; said rotor (10) being arranged against said chamber (30) to counteract flow of material from said inlet (32) for pulp and chemicals to said outlet (34) for mixed pulp except through openings (22) in said rotor drum (20).

IPC 8 full level

B01F 27/111 (2022.01); **B01F 27/27** (2022.01); **B01F 27/50** (2022.01); **D21B 1/34** (2006.01); **D21C 9/10** (2006.01)

CPC (source: EP SE)

B01F 23/024 (2022.01 - SE); **B01F 27/111** (2022.01 - EP); **B01F 27/27** (2022.01 - EP); **B01F 27/272** (2022.01 - SE); **B01F 27/50** (2022.01 - EP); **D21B 1/342** (2013.01 - SE); **B01F 2035/3512** (2022.01 - SE); **B01F 2101/47** (2022.01 - SE); **D21C 9/10** (2013.01 - SE)

Citation (search report)

- [XAI] US 5904308 A 19990518 - SCHNELL HANS [DE]
- [XAI] US 2017259443 A1 20170914 - BINKS RICHARD LEE [US], et al
- [XAI] DE 29608712 U1 19960905 - WITTEK AXEL [DE]
- [XA] US 2018035841 A1 20180208 - SAVINO JOSEPH CAMILLO [US]
- [XA] GB 624107 A 19490527 - FREDERICK DAVID EDWARDS, et al
- [A] CN 108096881 A 20180601 - JIANGSU MAGICPOWER POWER SUPPLY EQUIPMENTS & TECH CO LTD
- See references of WO 2020091640A1

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)

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