

Title (en)
STIRRING APPARATUS AND METHOD FOR STIRRING A LIQUID TONER

Title (de)
RÜHRVORRICHTUNG UND VERFAHREN ZUM RÜHREN EINES FLÜSSIGEN TONERS

Title (fr)
PROCÉDÉ ET APPAREIL D'AGITATION POUR AGITER UN TONER LIQUIDE

Publication
EP 3020469 B1 20180314 (EN)

Application
EP 15193627 A 20151109

Priority
NL 2013779 A 20141112

Abstract (en)
[origin: EP3020469A2] A stirring apparatus for stirring a mixture, in particular a liquid containing insoluble particles, said apparatus comprising: a container (30) for containing the mixture; a rotor (10) comprising a shaft (17) and a rotor blade (12); driving means for rotating said shaft; and at least one flow disturbing object (40) between said shaft (17) and a circumferential inner wall of the container (30), said flow disturbing object (40) being either fixedly mounted such that said flow disturbing object (40) is stationary in said container (30), or being mounted rotatably around said shaft (17) and being connected to said driving means such that said flow disturbing object (40) is rotated with a rotational speed which is different from the rotational speed of the shaft and/or with a rotational direction which is different from the rotational direction of the shaft.

IPC 8 full level
B01F 3/12 (2006.01); **B01F 5/10** (2006.01); **B01F 7/16** (2006.01); **B01F 7/18** (2006.01); **B41J 2/18** (2006.01)

CPC (source: EP)
B01F 23/53 (2022.01); **B01F 25/50** (2022.01); **B01F 27/1122** (2022.01); **B01F 27/11251** (2022.01); **B01F 27/84** (2022.01); **B01F 27/9021** (2022.01); **B41J 2/175** (2013.01); **B41J 2/18** (2013.01); **B01F 2215/0427** (2013.01); **B01F 2215/0481** (2013.01)

Cited by
CN116139721A; CN115104911A; CN111569705A; EP3836257A4; CN112239720A; CN112226342A; CN114770785A; CN111921413A; CN116726766A; US11978882B2

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 3020469 A2 20160518; **EP 3020469 A3 20160824**; **EP 3020469 B1 20180314**; JP 2016135474 A 20160728; JP 6855161 B2 20210407; NL 2013779 B1 20161007

DOCDB simple family (application)
EP 15193627 A 20151109; JP 2015221914 A 20151112; NL 2013779 A 20141112