

Title (en)
SPRAYING DEVICE

Title (de)
SPRITZEINRICHTUNG

Title (fr)
DISPOSITIF DE PULVÉRISATION

Publication
EP 3706571 A1 20200916 (DE)

Application
EP 18804234 A 20181026

Priority
• DE 102017220030 A 20171110
• EP 2018079372 W 20181026

Abstract (en)
[origin: WO2019091798A1] The invention relates to a spraying device (1) for discharging liquids, in particular for agricultural purposes, having at least one spray nozzle (4) for spraying the liquid and having at least one mixing device (15) that has at least one mixing chamber (19), wherein the mixing chamber (19) has at least one first supply channel (23) for a carrier liquid (TF), at least one second supply channel (20, 21, 22, 23) for an active substance liquid (A, B, C) and at least one outlet channel (38), and wherein the mixing device (15) has at least one adjusting element (17, 18) for setting a mixing ratio of carrier liquid (TF) and active substance liquid (A, B, C). The adjusting element (17, 18) is rotatably mounted in the mixing chamber (19), wherein, depending on the rotational position of the adjusting element (17, 18), a through-flow cross-section of at least the first supply channel (23) and/or the second supply channel (20-22) is set.

IPC 8 full level
A01M 7/00 (2006.01)

CPC (source: EP US)
A01M 7/0042 (2013.01 - US); **A01M 7/0092** (2013.01 - EP US); **B05B 1/20** (2013.01 - EP); **B05B 7/32** (2013.01 - EP US); **B05B 12/1418** (2013.01 - EP US); **B05B 13/005** (2013.01 - EP US)

Citation (search report)
See references of WO 2019091798A1

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)
WO 2019091798 A1 20190516; BR 112020009043 A2 20201103; DE 102017220030 A1 20190516; EP 3706571 A1 20200916; US 2020253185 A1 20200813

DOCDB simple family (application)
EP 2018079372 W 20181026; BR 112020009043 A 20181026; DE 102017220030 A 20171110; EP 18804234 A 20181026; US 201816760771 A 20181026