



(43) International Publication Date
14 April 2016 (14.04.2016)

(10) International Publication Number
WO 2016/055544 A1

(51) International Patent Classification:

A61K 9/00 (2006.01) *A61K 31/167* (2006.01)
A61K 9/14 (2006.01) *A61K 31/439* (2006.01)
A61K 9/16 (2006.01) *A61K 31/58* (2006.01)

(21) International Application Number:

PCT/EP2015/073188

(22) International Filing Date:

7 October 2015 (07.10.2015)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

MI2014A001761 8 October 2014 (08.10.2014) IT

(71) Applicant: **ERATECH S.R.L.** [IT/IT]; Via Lillo del
Duca, 10, I-20091 Bresso (IT).

(72) Inventors: **MAGGI, Loretta**; Via Negri, 26, I-29100 Pi-
acenza (IT). **CAPONETTI, Giovanni**; Via Romagnosi,
33, I-29100 Piacenza (IT). **BUTTI, Heike**; Via G. da
Saliceto 6, I-29121 Piacenza (IT). **VENEZIANI, Cristina**;
Via Borgonovo, 11, I-29015 Castel San Giovanni (IT).
ZANELLOTTI, Laura; Via Gatti, 4, I-29122 Piacenza
(IT).

(74) Agents: **ZANOLI, Enrico** et al.; Via Melchiorre Gioia, 64,
I-20125 Milano (IT).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY,
BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG,
MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM,
PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC,
SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ,
TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU,
TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE,
DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

— with international search report (Art. 21(3))

(54) Title: COMPOSITION COMPRISING AT LEAST ONE DRY POWDER OBTAINED BY SPRAY DRYING TO INCREASE THE STABILITY OF THE FORMULATION

(57) Abstract: The present invention relates to inhalation formulations of drugs in the form of dry powder for inhalation administra-
tion deliverable as such with an inhaler and provided with high deliverability, respirability and stability. In particular, the invention
relates to a pharmaceutical composition for inhalation use in powder form comprising a first powder comprising at least a powder
(a1) comprising an active agent or a pharmaceutically acceptable salt thereof, in an amount greater than 1% by weight of the powder,
leucine in an amount from 5 to 70% by weight of said powder, a sugar in an amount from 20 to 90% by weight of the powder; and
a second powder comprising a mixture of a first lactose which has an X50 from 35 to 75 µm, with a second lactose which has an
X50 from 1.5 to 10 µm, the content of the first and second lactose in the mixture are respectively from 85% to 96% and from 4% to
15%. The ratio by weight between the first powder and the second powder is from 1/5 to 1/100, and the composition has a fine
particle fraction (FPF) greater than 60% and a delivered fraction (DF) greater than 85%.



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