

Title (en)
A NOVEL FORM OF METRAFENONE, A PROCESS FOR ITS PREPARATION AND USE OF THE SAME

Title (de)
NEUE FORM VON METRAFENON, VERFAHREN ZU DEREN HERSTELLUNG UND VERWENDUNG DAVON

Title (fr)
NOUVELLE FORME DE MÉTRAFÉNONE, SON PROCÉDÉ DE PRÉPARATION ET SON UTILISATION

Publication
EP 4114817 A1 20230111 (EN)

Application
EP 21764047 A 20210120

Priority
• GB 202003282 A 20200306
• CN 2021072802 W 20210120

Abstract (en)
[origin: GB2592668A] A crystalline modification I of (3-bromo-6-methoxy-2-methylphenyl)(2,3,4- trimethoxy-6-methylphenyl) methanone (metrafenone) is provided. The crystalline modification is characterized, for example by exhibiting at least 3 of the following reflexes, in any combination, as $2\theta \pm 0.2$ degree 5 in an X-ray powder diffractogram (X-RPD) recorded using Cu—K α radiation at 25°C: $2\theta = 8.6 \pm 0.2$ (1) $2\theta = 10.0 \pm 0.2$ (2) $2\theta = 10.6 \pm 0.2$ (3) $2\theta = 11.5 \pm 0.2$ (4) $2\theta = 12.2 \pm 0.2$ (5) $2\theta = 15.6 \pm 0.2$ (6) $2\theta = 17.3 \pm 0.2$ (7) $2\theta = 20.5 \pm 0.2$ (8) $2\theta = 21.7 \pm 0.2$ (9) $2\theta = 22.6 \pm 0.2$ (10) $2\theta = 25.0 \pm 0.2$ (11) $2\theta = 25.6 \pm 0.2$ (12) $2\theta = 25.7 \pm 0.2$ (13) $2\theta = 27.3 \pm 0.2$ (14) $2\theta = 28.4 \pm 0.2$ (15) A method of preparing the crystalline modification, compositions comprising the crystalline modification and its use in controlling fungal infestations are also provided.

IPC 8 full level
C07C 45/61 (2006.01); **A01N 35/04** (2006.01); **A01P 3/00** (2006.01); **C07C 45/81** (2006.01); **C07C 45/90** (2006.01); **C07C 49/784** (2006.01); **C07C 49/786** (2006.01)

CPC (source: EP GB)
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C-Set (source: EP)
A01N 35/04 + A01N 25/04 + A01N 25/12

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BA ME

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KH MA MD TN

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GB 202003282 D0 20200422; GB 2592668 A 20210908; GB 2592668 B 20240814; CN 115244027 A 20221025; EP 4114817 A1 20230111; EP 4114817 A4 20240327; WO 2021175029 A1 20210910

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