Title (en)

GAS DISTRIBUTER FOR A CONVECTIVE DRYER HAVING IMPROVED RADIAL GAS VELOCITY CONTROL

Title (de)

GASVERTEILER FÜR EINEN KONVEKTIVEN TROCKNER MIT VERBESSERTER RADIALGAS-GESCHWINDIGKEITSSTEUERUNG

Title (fr)

DISTRIBUTEUR DE GAZ POUR UN SÉCHOIR À CONVECTION POSSÉDANT UNE COMMANDE AMÉLIORÉE DE LA VITESSE RADIALE DE GAZ

Publication

EP 3146284 A1 20170329 (EN)

Application

EP 15727584 A 20150521

Priority

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Abstract (en)

[origin: WO2015177324A1] The invention relates to a gas distributer for, and a method of, controlling the velocity profile of a drying gas in a convective dryer, particularly the radial velocity profile, by creating an advantageous velocity profile prior to introducing the drying gas into the convective dryer chamber. The velocity profile may have different requirements depending on the convective process, chamber dimensions and atomizing means, but common gas distributer targets may be defined, such as a radial gas rotationally symmetrical velocity distribution and axial alignment. The invention further concerns a convective dryer comprising the gas distributer of the present invention, the use of said method to produce a powdery substance in a convective dryer according to the present invention.

IPC 8 full level

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Citation (search report)

See references of WO 2015177324A1

Citation (examination)

- US 5227018 A 19930713 - BRO KLAUS [DK], et al
- EP 2143476 A1 20100113 - ALSTOM TECHNOLOGY LTD [CH]
- EP 3060866 A1 20160831 - SPX FLOW TECHNOLOGY DANMARK AS [DK]

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