

Title (en)

METHOD AND ARRANGEMENT FOR CONTROLLING MATERIAL TREATMENT

Title (de)

VERFAHREN UND ANORDNUNG ZUR STEUERUNG DER MATERIALBEHANDLUNG

Title (fr)

PROCÉDÉ ET AGENCEMENT POUR COMMANDER LE TRAITEMENT DE MATÉRIAUX

Publication

**EP 3975665 A1 20220330 (EN)**

Application

**EP 20198476 A 20200925**

Priority

EP 20198476 A 20200925

Abstract (en)

A method (100), an arrangement (200) and a program are provided for processing an item (215). The arrangement comprises a source (210) for emitting electromagnetic radiation towards an item, a sensor (220) for sensing a temperature distribution of the item, and a controller (230) coupled to the source and sensor. The method comprises the steps of: providing (110) a collection of n parameter settings, BB, of the source, providing (120) a vector, p, and controlling (130) a setting of the source by selecting (140) a parameter setting in the collection of parameter settings, BB, based on a predetermined criterion of the vector, p; applying (150) the selected parameter setting via the controller for operating the source for emitting electromagnetic radiation towards the item, and updating (160) the vector, p, as a function of the temperature distribution of the item sensed by the sensor, until a predetermined threshold has been reached.

IPC 8 full level

**H05B 6/64** (2006.01); **H05B 6/68** (2006.01)

CPC (source: EP)

**H05B 6/645** (2013.01); **H05B 6/686** (2013.01)

Citation (applicant)

US 2018098381 A1 20180405 - PEREIRA ARVIND ANTONIO DE MENEZES [US], et al

Citation (search report)

- [I] US 2014203012 A1 20140724 - CORONA ENRIQUE [US], et al
- [I] WO 2012109634 A1 20120816 - GOJI LTD, et al
- [I] US 2019166659 A1 20190530 - ELBOIM RAM [IL], et al

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)

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DOCDB simple family (application)

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