

Patent Number(s): CN102283243-A

Title: Classification bactericide solid pesticide by detecting solid antiseptic raw medicine using THz Time-system to obtain time domain signal each sample, calculating absorption spectrum, and analyzing using principal component analysis

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Derwent Primary Accession No.: 2012-A50405

Abstract: NOVELTY - A bactericide solid pesticide is classified by detecting solid antiseptic raw medicine if the purity is more than 98% using THz Time-system to obtain time domain signal each sample, calculating the absorption spectrum, analyzing using principal component analysis, extracting the characteristic absorption spectrum each sample, and generating classification each sample spectrum using the radial basis function neural network to each agent sample terahertz spectrum. The solid antiseptic raw medicine is ferbam, thiophanate-methyl, probenazole or captan.

USE - Method classifying bactericide solid pesticide.

ADVANTAGE - The method is simple and fast, and has high identification accuracy.

Derwent Class Code(s): A97 (Miscellaneous goods not specified elsewhere); C03 (Other organic or inorganic compounds and multi-component mixtures)

Derwent Manual Code(s): A12-W04C; C05-A03A2; C06-D03; C06-F03; C10-A12A; C10-A12C; C14-A01; C14-B01

IPC: A01N-025/34; A01N-043/78; A01N-047/04; A01N-047/34; A01N-055/02; A01P-003/00

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Compound(s):

DCR Number RoleDCR Number RoleDCR Number Role

108803-0-0-0 K; M 151865-0-0-0 K; M 89971-0-0-0 K; M

95063-0-0-0 K; M

Ring Index Number(s): 01150

Derwent Compound Number(s):

Compound NumberRoleCompound NumberRoleCompound NumberRole

R02030 K; M R03412 K; M R13361 K; M

R01102 K; M R04977 K; M RA0RY1 K; M

Derwent Registry Number(s):

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