

(12) UK Patent Application (19) GB (11) 2613090 (13) A

(43) Date of Reproduction by UK Office 24.05.2023

(21) Application No: 2301982.1

(22) Date of Filing: 13.07.2021

Date Lodged: 13.02.2023

(30) Priority Data:
(31) 2010736 (32) 13.07.2020 (33) GB

(86) International Application Data:
PCT/GB2021/051793 En 13.07.2021

(87) International Publication Data:
WO2022/013543 En 20.01.2022

(51) INT CL:
A01N 25/00 (2006.01) A01N 33/12 (2006.01)
A01N 37/16 (2006.01) A01N 59/00 (2006.01)
A01P 1/00 (2006.01) A61L 2/00 (2006.01)
A61L 2/28 (2006.01) C11D 3/48 (2006.01)
G01N 31/22 (2006.01)

(56) Documents Cited:
GB 2413765 A WO 2006/113166 A1
WO 2002/091832 A1 CN 205580978 U
JP 2016113354 A US 20090176673 A1

(58) Field of Search:
INT CL A01N, A01P, A61L, C11D, G01N
Other: EPO-Internal, WPI Data

(71) Applicant(s):
Tristel PLC
(Incorporated in the United Kingdom)
Unit 1b, Lynx Business Park, Fordham Road,
Snailwell, Newmarket, CB8 7NY, United Kingdom

(72) Inventor(s):
Thomas Brand

(74) Agent and/or Address for Service:
Dummett Copp LLP
25 The Square, Martlesham Heath, IPSWICH, IP5 3SL,
United Kingdom

(54) Title of the Invention: **Two-part disinfectant system comprising a colour indicator**
Abstract Title: **TWO-PART DISINFECTANT SYSTEM COMPRISING A COLOUR INDICATOR**

(57) A disinfectant system comprises a first part comprising a first reagent in a carrier medium; and a second part which is miscible with the first part and which comprises a second reagent in a carrier medium. The first reagent and the second reagent will react when mixed to provide a chlorine dioxide disinfecting composition. The first part or the second part further comprises an anthocyanin, anthocyanidin or betanin dyestuff, which oxidises in the presence of chlorine dioxide to produce a visible colour change upon mixing of the first reagent with the second reagent, and the colour change does not occur upon exposure of the dyestuff-containing part to a disinfecting composition comprising hydrogen peroxide and/or peracetic acid.

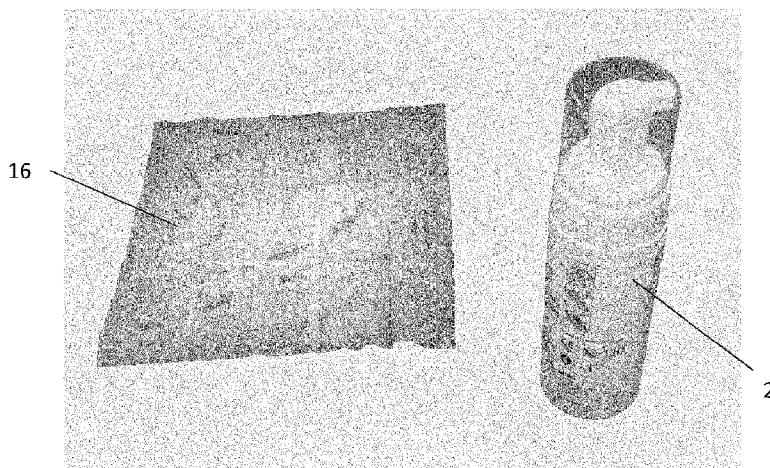


FIG. 3

GB 2613090 A