

Title (en)
METHOD FOR TESTING QUALITY OF OPTICAL NETWORK COMPONENTS

Title (de)
VERFAHREN ZUR PRÜFUNG DER QUALITÄT VON KOMPONENTEN EINES OPTISCHEN NETZWERKS

Title (fr)
PROCÉDÉ DE TEST DE QUALITÉ DE COMPOSANTS DE RÉSEAU OPTIQUE

Publication
EP 3928441 A1 20211229 (EN)

Application
EP 20713069 A 20200219

Priority
• GB 201902331 A 20190220
• GB 2020050390 W 20200219

Abstract (en)
[origin: WO2020169964A1] A method of testing the quality of a component in an optical network (10), comprises the steps of: (a) introducing a first calibrated reflector (15) at a location on an optical fibre (14) immediately before or in place of the component (16) to be tested; (b) measuring the reflection R_o from the first calibrated reflector (15) on the optical fibre (14); (c) replacing the first calibrated reflector (15) on the optical fibre (14) with the component (16); (d) connecting a second calibrated reflector (19) after the component (16); (e) measuring the reflection R₂ from the second calibrated reflector (19); and (f) calculating the loss L_c through the component (16), by comparison of the reflections R_o and R₂

IPC 8 full level
H04B 10/071 (2013.01); **H04B 10/073** (2013.01)

CPC (source: EP GB)
G01M 11/31 (2013.01 - GB); **H04B 10/071** (2013.01 - EP GB); **H04B 10/0731** (2013.01 - EP)

Citation (search report)
See references of WO 2020169964A1

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)
WO 2020169964 A1 20200827; EP 3928441 A1 20211229; GB 201902331 D0 20190403; GB 2582895 A 20201014; GB 2582895 B 20221214

DOCDB simple family (application)
GB 2020050390 W 20200219; EP 20713069 A 20200219; GB 201902331 A 20190220