

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2023/0231627 A1 BERCEAU et al.

Jul. 20, 2023 (43) Pub. Date:

(54) TERMINAL FOR OPTICAL COMMUNICATION BY LASER SIGNALS

(71) Applicant: AIRBUS DEFENCE AND SPACE

SAS, Toulouse Cedex 4 (FR)

(72) Inventors: Paul BERCEAU, Toulouse Cedex 4 (FR); Adrien BARBET, Toulouse

Cedex 4 (FR)

18/016,854 (21) Appl. No.:

(22)PCT Filed: Jul. 8, 2021

(86) PCT No.: PCT/FR2021/051261

§ 371 (c)(1),

Jan. 18, 2023 (2) Date:

(30)Foreign Application Priority Data

Jul. 20, 2020 (FR) 20 07584

Publication Classification

(51) Int. Cl.

H04B 10/112 (2006.01)

H04B 10/118 (2006.01)

(52) U.S. Cl.

CPC H04B 10/112 (2013.01); H04B 10/118 (2013.01)

(57)ABSTRACT

A terminal (100) for optical communication by laser signals including a matrix image sensor used as a tracking and acquisition detector (2). The matrix image sensor is used simultaneously to check that a portion of the laser signals received by the terminal are injected into an optical fibre (1). A spectral filter element (22) is associated with the matrix image sensor to allow such a combination of functions.

