US 20230231631A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2023/0231631 A1**

KEMPPINEN et al. (43) **Pub. Date: Jul. 20, 2023**

(54) **CRYOGENIC WAVEFORM SOURCE**

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(21) Appl. No.: **18/001,901**

(22) PCT Filed: **Jun. 16, 2021**

(86) PCT No.: **PCT/FI2021/050456**

§ 371 (c)(1),
(2) Date: **Dec. 15, 2022**

(30) **Foreign Application Priority Data**

Jun. 16, 2020 (FI) 20205635

Publication Classification

(51) **Int. Cl.**

H04B 10/508	(2006.01)
H03K 3/42	(2006.01)
H04B 10/516	(2006.01)
H04B 10/70	(2006.01)
G06N 10/40	(2006.01)

(52) **U.S. Cl.**

CPC ***H04B 10/508*** (2013.01); ***H03K 3/42*** (2013.01); ***H04B 10/516*** (2013.01); ***H04B 10/70*** (2013.01); ***G06N 10/40*** (2022.01); *H01L 27/1446* (2013.01)

(57) **ABSTRACT**

A method for providing an electric waveform at a cryogenic temperatures includes

providing an optical signal, which comprises an optical waveform,

guiding the optical signal into a cryogenic chamber, and

converting the optical waveform of the optical signal into an electric waveform inside the cryogenic chamber.