



US 20240178854A1

(19) **United States**

(12) **Patent Application Publication**  
**TERASAKI**

(10) **Pub. No.: US 2024/0178854 A1**

(43) **Pub. Date: May 30, 2024**

(54) **SIGNAL PROCESSOR**

**Publication Classification**

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(51) **Int. Cl.**

**H03M 1/12** (2006.01)

**H03M 1/50** (2006.01)

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

CPC ..... **H03M 1/1245** (2013.01); **H03M 1/50** (2013.01)

(21) Appl. No.: **18/240,854**

(22) Filed: **Aug. 31, 2023**

**Related U.S. Application Data**

(63) Continuation-in-part of application No. PCT/JP2022/043731, filed on Nov. 28, 2022.

(57)

**ABSTRACT**

A signal processor includes an input unit, an analog-digital converter, and a reservoir unit. The input unit receives an input of a first analog signal. The analog-digital converter converts the first analog signal to a first digital signal. The reservoir unit receives an input of at least a part of the first digital signal. The reservoir unit determines a rule of a timing at which a control signal for extracting a part of the first analog signal or the first digital signal is output.

