

JOINT DETECTOR/ DECODER DEVICES AND JOINT DETECTION/ DECODING METHODS

Abstract

According to various embodiments, a joint detection/ decoder device may be provided. The detector and decoder device may include: an input circuit configured to receive an input signal; a survivor splitting circuit configured to produce a plurality of survivors of a next instance based on at least one survivor of a previous instance and based on the input signal; and a survivor discarding circuit configured to discard survivors based on a set of predetermined criteria; wherein each survivor has an associated bit sequence.

FIG. 1A