## Burn Signal Prototype Solidity Overview

## Recommendations

LINE: 6

REMOVE parameter voteOptionAddress as it seems unnecessary due to having any internal or external context.

LINE: 13

REMOVE voteOptionAddress assignment.

LINE: 23

REMOVE incorrect amount of tabs for the event trigger, one tab is sufficient for optimal syntax.

LINE: 46

CHANGE VoteOption label assignments; newVoteOptionA and newVoteOptionB to yes and no which allows variable definitions in the return statement.

LINE: 48

CHANGE VoteOption newVoteOptionA to yes

LINE: 49

CHANGE VoteOption newVoteOptionB to no

LINE: 52

REMOVE the return statement, return variables already declared in function constructor.

LINE: 61

CHANGE uint64 deadline to uint deadline due to differentiating uint type inputted to modifier and previous contracts.

LINE: 67

CHANGE proposal to newProposal as pre-declared in the function constructor for easy assignment.

LINE: 68

CHANGE proposal.createOptions(\_deadline, \_name) to newProposal.createOptions(\_deadline, \_name).

LINE: 77

CHANGE proposal.options(0) to newProposal.options[0].

LINE: 79

CHANGE proposal.options(1) to newProposal.options[1].

LINE: 80

REMOVE the return statement, return variable already declared in function constructor.

## Improvements

The contracts from a speculative point of view seem functional at the base level but at that seems incredibly basic, there are a potential of components that could be improved. Allowing for more delegate accountability regarding immutability of their burned contributions, gas optimisation to save the proposer's funds in the long run as the contracts will be left inoperable anyways perhaps by leveraging the EVM's self-destruct OPCODE which refunds gas based on the contract's bytecode size (could be used to delegate refunds to a Burn Signal DAO?). Some other ideas could be a reputation system, that could be implemented to quantify certain individuals burned contribution as a gross metric, which of course they can wear as a badge of honour or maybe delegates a higher authority of governing power to dictating the faith of a proposal.