Stake - latest

Summary

This contract is a companion contract to the main stake contract. It ensures creating a new stake is following the rules. For asset and register descriptions see Stake State.

Parameters

Parameter	Description	Type	Default
imPaideiaDaoKey	Token ID of the dao config nft	Coll[Byte]	

Registers

Register	Description	Type

Assets

Token name	amount

Transactions

Transaction name	Transaction description
Stake	In this transaction a new stake is created and as such a new DAO member is created

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Context Variables

CV Index	Type	Description
0	Coll[Byte]	Proof for retrieving current DAO Config values
1	Coll[(Coll[Byte],Coll[Byte])]	Stake operations to be performed
2	Coll[Byte]	Proof for performing the stake operations

Config

Config key	Type	Description
im.paideia.contracts.staking.stake	PaideiaContractSignature	Signature of the stake contract
im.paideia.staking.state.tokenid	Coll[Byte]	Token ID of this DAO's stake state token

Inputs

Utxo type	Description
StakeState	The utxo containing the staking state
Stake	The utxo ensuring proper execution of creating the stake
User	User UTXO(s) containing enough erg and governance tokens to perform the action

Data Inputs

Utxo type	Description
DAO Config	Config utxo of this DAO

Outputs

Utxo type	Description
StakeState	The utxo containing the updated staking state
Stake	A copy of the input utxo
Miner	Miner fee
User	User UTXO containing the stake key and any leftover assets

Conditions

1. DAO Config input is correct
2. Stake state input is correct
3. Correct Stake key is minted
4. Staked token amounts are correct in the output
5. Only one operation is performed on the stake state
6. The digest of the new stake state is correct
7. The new stake record is empty besides the new stake (0 profit and governance participation
8. Stake count is updated correctly
9. Register values not relevant to this action in the stake state are unchanged