Unstake - 1.0.0

Summary

This contract is a companion contract to the main stake contract. It ensures properly unstaking assets from the stake state

Parameters

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

Registers

Register	Description	Type

Assets

Token name	amount

Transactions

Transaction name	Transaction description
Unstake	In this transaction the assets belonging to the user are removed from the stake state

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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])]	Operations to perform on stake tree
2	Coll[Byte]	Proof for getting current stake
3	Coll[Byte]	Proof for removing the stake

Config

Config key	Type	Description
im.paideia.contracts.staking.un-stake	PaideiaContractSignature	Signature of the unstake contract

Inputs

Utxo type	Description
StakeState	The utxo containing the staking state
Unstake	The utxo ensuring proper execution of unstaking assets

Data Inputs

Utxo type	Description
DAO Config	Config utxo of this DAO

Outputs

Utxo type	Description
StakeState	The utxo containing the updated staking state
Unstake	A copy of the input utxo
User	The utxo containing the unstaked assets
Miner	Miner fee

Conditions

1. DAO Config input is correct
2. Stake state input is correct
3. All governance tokens are unstaked
4. All erg profit is unstaked
5. Only one unstake done
6. AVL Trees updated
7. Staker count decreased by 1
8. Register values not relevant to this action in the stake state are unchanged
9. Stake is not locked