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| artifact |
| **TYPE:** BEHAvior |
| NAME: Encumberable |
| aliases: |
| * Locked * Frozen |
|  |
| artifact SymbolS |
| * Visual Symbol 🡪 <i>e</i> |
| * Tooling Symbol 🡪 e |
|  |
| controlUri: ../../../../../../artifacts/behaviors/encumberable/encumberable.proto |
| artifact Definition |
| Business Description:A token class that implements this behavior will have restrictions preventing certain behaviors like transferable burnable etc. from working while it is encumbered. The encumbering party should make a request to encumber the owner should be notified about the request and accept the request which will finalize the encumbrance and send the EncumberResponse message to the requestor. |
| business Example For example, a property title's owner may have obtained a loan from a bank to purchase the property. The loan represents a contract between the owner of the property and the bank this loan encumbers the property title preventing the owner from being able to sell the property transferable to another party until the loan is paid off. Paying off the loan will remove the encumber which will allow transferable to be invoked. |
| Analogies |
|  |
| Name: Loan |
| Description: encumberable analogy 1 description |
| Artifact Definition: *insert definition here* |
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| comments: *The token definition should have a Encumbered property or structure that may allow only one encumber or allow multiple* |
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| incompatible With the following Symbols |
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| * Visual Symbol 🡪 <i>s</i> |
| * Tooling Symbol 🡪 s |
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| influenced By these Symbols |
|  |
| description Roles is common to implement to provide authorization checks for invoking the behavior. |
| symbol |
| Visual Symbol 🡪 |
| Tooling Symbol 🡪 |
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| artifact Files |
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| Content: CONTROL |
| File Name: encumberable.proto |
| File Data: |
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| content UML |
| File Name: encumberable.md |
| File Data: |
| maps |
| Code References: |
| Mapping Type: SOURCE\_CODE |
| Name: Code 1 |
| Platform: DAML |
| Reference Path: |
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| implementation References |
|  |
| Mapping Type: IMPLEMENTATION |
| Name: Implementation 1 |
| Platform: CHAINCODE\_GO |
| Reference Path: |
| Maps: |
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| resources |
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| Mapping Type: RESOURCE |
| Name: Regulation Reference 1 |
| Description: |
| Resource Path |
| Maps: |
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| invocations: |
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| Name: EncumberRequest |
| Description: A Request by a party or account perhaps a contract or another token to encumber the token. |
| request: |
| Control Message Name: EncumberRequest |
| Description: The request |
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| input Parameters: |
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| Name: Name of Encumber |
| Value Description": "Name of the institution requesting the encumber." |
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| Name: Identifier |
| Value Description: A public key or address for the requestor. |
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| Name: Signature |
| Value Description: A digital signature or attestation optional. |
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| response: |
| Control Message Name: EncumberResponse |
| Description: The response |
| output Parameters: |
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| Name: Confirmation |
| Value Description: A confirmation response from the token for the encumber request." |
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| Name: AcceptEncumberRequest |
| Description: A Request by a party or account perhaps a contract or another token to encumber the token. Once accepted the token should add a new entry into the Encumbrances property. |
| Request: |
| Control Message Name: AcceptEncumberRequest |
| input Parameters: |
| Description: The request |
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| Response: |
| Control Message Name: AcceptEncumberResponse |
| Description: The response |
| outputParameters": |
|  |
| name": "Confirmation" |
|  |
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