Sequence of operations leading to the interruption of an ongoing video call.
A token system is used as a form of reference counting mechanism to deal with
video device interruption.

A video endpoint object manages access to a uniquely accessible video device
to multiple clients. It observes the video source and write the captured frames
into a shared memory segment, while sending them to the remote peer via RTP.

December 2010,
pierre-luc.bacon@savoirfairelinux.com

Video call interruption

:SipVoipLink   :DBusManager   videoManager:VideoManager   call:SipCall   endpoint:VideoEndpoint   :VideoSource

hangup(callId)

call := getSipCall(id)

videoManager := getVideoManager()

stopRtpSession(call)

device := getVideoDevice()

endpoint := find(device)

token := getToken()

stopCapture(token)

found := exists(token)

break   **[found == FALSE]**

token is invalid: throw InvalidTokenException

erase(token)

numberToken := size()

opt   **[numberToken < 0]**

close()

ipAddr := getLocalIp()

port := getLocalVideoPort()

removeRtpSession(ipAddr, port)

disposable : = isDisposable()

opt   **[disposable]**

remove(endpoint)