[CLAIMS]

1. A broadcasting apparatus comprising:

a communication unit for supporting a video call between user terminals connected to a chat room through a communication network;

an extraction unit for generating an image file and an audio file using a video call-related video file received through the communication unit, and extracting original language information for each caller using the image file and the audio file, wherein the original language information includes voice original language information and text original language information;

a translation unit for generating translation information of the original language information translated according to a language of a selected country, wherein the translation information includes voice translation information and text translation information; and

a control unit for controlling to transmit an interpreted/translated video, in which the original language information and the translation information are mapped to the video call-related video file, to viewer terminals and the user terminals connected to the chat room,

wherein the extraction unit:

extracts voice original language information for each caller by applying a frequency band analysis process to the audio file, and maps the extracted voice original language information with specific character information — the mapping being performed by the extraction unit identifying a user terminal that has transmitted a specific voice, and then mapping a preset ID for the corresponding user terminal or a nickname preset by the user to the voice original language information — and stores the mapped result,

applies a voice recognition process to the extracted voice original language information to further generate text original language information, and

applies an image processing process to the image file to determine whether a sign language pattern exists in the image file, and when a sign language pattern exists, generates text original language information based on the detected sign language pattern, and

wherein the translation unit generates voice translation information in a voice most similar to the voice of the speaker among preset voices, based on per-voice characteristics — including gender, age group, and pronunciation tone of the voice — analyzed by applying the frequency band analysis process to the audio file.

2. A control method of a broadcasting apparatus, the method comprising the steps of:

receiving a video call-related video file;

extracting original language information for each caller using the image file and the audio file generated from the video call-related video file, wherein the original language information includes voice original language information and text original language information;

generating translation information of the original language information translated according to a language of a selected country; and

controlling to transmit an interpreted/translated video, in which the original language information and the translation information are mapped to the video call-related video file, to terminals connected to a chat room,

wherein the extracting step:

extracts voice original language information for each caller by applying a frequency band analysis process to the

audio file, and maps the extracted voice original language information with specific character information — the mapping being performed by identifying a user terminal that has transmitted a specific voice, and then mapping a preset ID for the corresponding user terminal or a nickname preset by the user to the voice original language information — and stores the mapped result,

applies a voice recognition process to the extracted voice original language information to generate text original language information, and

applies an image processing process to the image file to determine whether a sign language pattern exists in the image file, and when a sign language pattern exists, generates text original language information based on the detected sign language pattern, and

wherein the generating step generates voice translation information in a voice most similar to the voice of the speaker among preset voices, based on per-voice characteristics — including gender, age group, and pronunciation tone of the voice — analyzed by applying the frequency band analysis process to the audio file in the extracting step.