

# SCALABLE ENCODING AND DECODING METHOD AND APPARATUS

## ABSTRACT

This application relates to the field of artificial intelligence (AI)-based video or picture  
5 compression technologies, and provides a scalable encoding and decoding method and apparatus.  
The encoding method includes: applying a control signal of a first signal component of a video  
signal to a first feature map of the first signal component, to obtain a second feature map of the  
first signal component, where the control signal of the first signal component is obtained through  
learning; applying a control signal of a second signal component of the video signal to a first  
10 feature map of the second signal component, to obtain a second feature map of the second signal  
component, where the control signal of the second signal component is obtained through learning;  
and obtaining a bitstream of the video signal based on the second feature map of the first signal  
component and the second feature map of the second signal component. This application can adapt  
to picture content having different color characteristics.

15  
Fig.7A