

DATA COMPRESSION AND TRANSMISSION METHOD, APPARATUS, DEVICE, AND STORAGE MEDIUM

ABSTRACT

This application provides a data compression and transmission method, an apparatus, a device,
5 and a storage medium. A first apparatus obtains M pieces of first data. One piece of subdata in the
first data corresponds to one first sparse matrix, the first sparse matrix represents one piece of
corresponding subdata in the first data based on a first dictionary matrix, and the first dictionary
matrix includes features of M pieces of subdata respectively corresponding to the M pieces of first
data. The first apparatus outputs compressed data of the M first sparse matrices. M is an integer
10 greater than 1. In this way, effective and reliable data compression and transmission can be
implemented in a transmission scenario with a large data amount.

FIG. 3