

APPARATUS AND METHOD FOR DETECTING ENLARGING RATIO OR REDUCING RATIO OF IMAGE

ABSTRACT

An enlarging ratio or reducing ratio detecting apparatus for detecting an enlarging ratio or reducing ratio of a digital image data (700) in which the enlarging ratio or reducing ratio of an image is unknown, includes: section means (100) for sectioning the digital image data, in which the enlarging ratio or reducing ratio of an image is unknown, by predetermined horizontal or perpendicular block sizes; conversion means (200) for frequency-converting sectioned blocks into a two-dimension; addition means (300) for adding frequencies of the blocks every the same frequency over an entire block and obtaining a sum of the frequencies every the same frequency; retrieval means (400) for retrieving frequencies at which energy is collecting using an added result; calculation means (500) for calculating an enlarging ratio or reducing ratio based on a retrieved result; and restoration means (600) for restoring an image of an image data to an image having the calculated enlarging ratio or reducing ratio.

Fig.1



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