

ABSTRACT

An object of the invention is to provide: an alloy
article that has excellent homogeneity in the alloy
5 composition and microstructure as well as significant shape
controllability, using an HEA with significant mechanical
strength and high corrosion resistance; a method for
manufacturing the alloy article; and a product using the
alloy article. There is provided an alloy article
10 comprising: Co, Cr, Fe, Ni, and Ti elements, each element
in content of 5 to 35 atomic %; more than 0 atomic % to 8
atomic % of Mo %; and remainder substances of unavoidable
impurities. And, ultrafine particles with an average
diameter of 40 nm or less are dispersedly precipitated in
15 matrix phase crystals of the alloy article.

(FIG. 5A)