

Title (en)

NEW SUPERALLOYS AND THE METHODS FOR IMPROVING THE PROPERTIES OF SUPERALLOYS

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EP 0387976 A3 19901107 (EN)

Application

EP 90250070 A 19900314

Priority

CN 89105034 A 19890315

Abstract (en)

[origin: EP0387976A2] This invention has provided a new technique of improving the properties of superalloys by reducing the segregation of the alloying elements. The characteristic specificity is to reduce the phosphorus content of the alloys to below 0.001 (in wt%) and, in case of Ni-base superalloys, to below 0.0005(wt%). It is needed to eliminate Zr from the superalloys. Meanwhile, it is also needed to control the proper content of B and to reduce the content of Si to below 0.005. The invention has also provided a series of low segregation superalloys.

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C22C 19/05

IPC 8 full level

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CPC (source: EP)

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