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(54) **Ni-Cr-Co-Mo alloy for advanced gas turbine engines**

(57) A wrought age-hardenable nickel-chromium-cobalt based alloy suitable for use in high temperature gas turbine transition ducts possessing a combination of three specific key properties, namely resistance to strain age cracking, good thermal stability, and good creep-rupture strength contains in weight percent 17 to 22 chromium, 8 to 15 cobalt, 4.0 to 9.5 molybdenum, up to 7 tung-

sten, 1.28 to 1.65 aluminum, 1.50 to 2.30 titanium, up to 0.80 niobium, 0.01 to 0.2 carbon, up to 0.01 boron, and up to 3 iron, with a balance of nickel and impurities. Certain alloying elements must be present in amounts according to two equations here disclosed.

EP 1 640 465 A3



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EUROPEAN SEARCH REPORT

Application Number
EP 05 01 8830

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 27 January 2006	Examiner Badcock, G
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

2
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 05 01 8830

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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