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ABSTRACT

NICKEL ALUMINIDE COATING AND COATING SYSTEMS FORMED THEREWITH

A predominantly beta-phase NiAl overlay coating (24) for use as an environmental coating or a TBC bond coat for articles (10) used in hostile thermal environments, such as components of a gas turbine engine. The coating (24) contains up to about 4 atomic percent hafnium, such as in excess of 1.0 atomic percent hafnium. The coating may also contain about 2 to about 15 atomic percent chromium.

Figure 3