DIRECT ROLLING OF CAST GAMMA TITANIUM ALUMINIDE ALLOYS

ABSTRACT

A process for producing sheets of γ-TiAl includes the steps of forming a melt of a γ-TiAl alloy; casting the γ-TiAl alloy to form an as-cast γ-TiAl alloy; encapsulating the as-cast γ-TiAl alloy to form an as-cast γ-TiAl alloy preform; and rolling the as-cast γ-TiAl alloy preform to form a sheet comprising γ-TiAl.