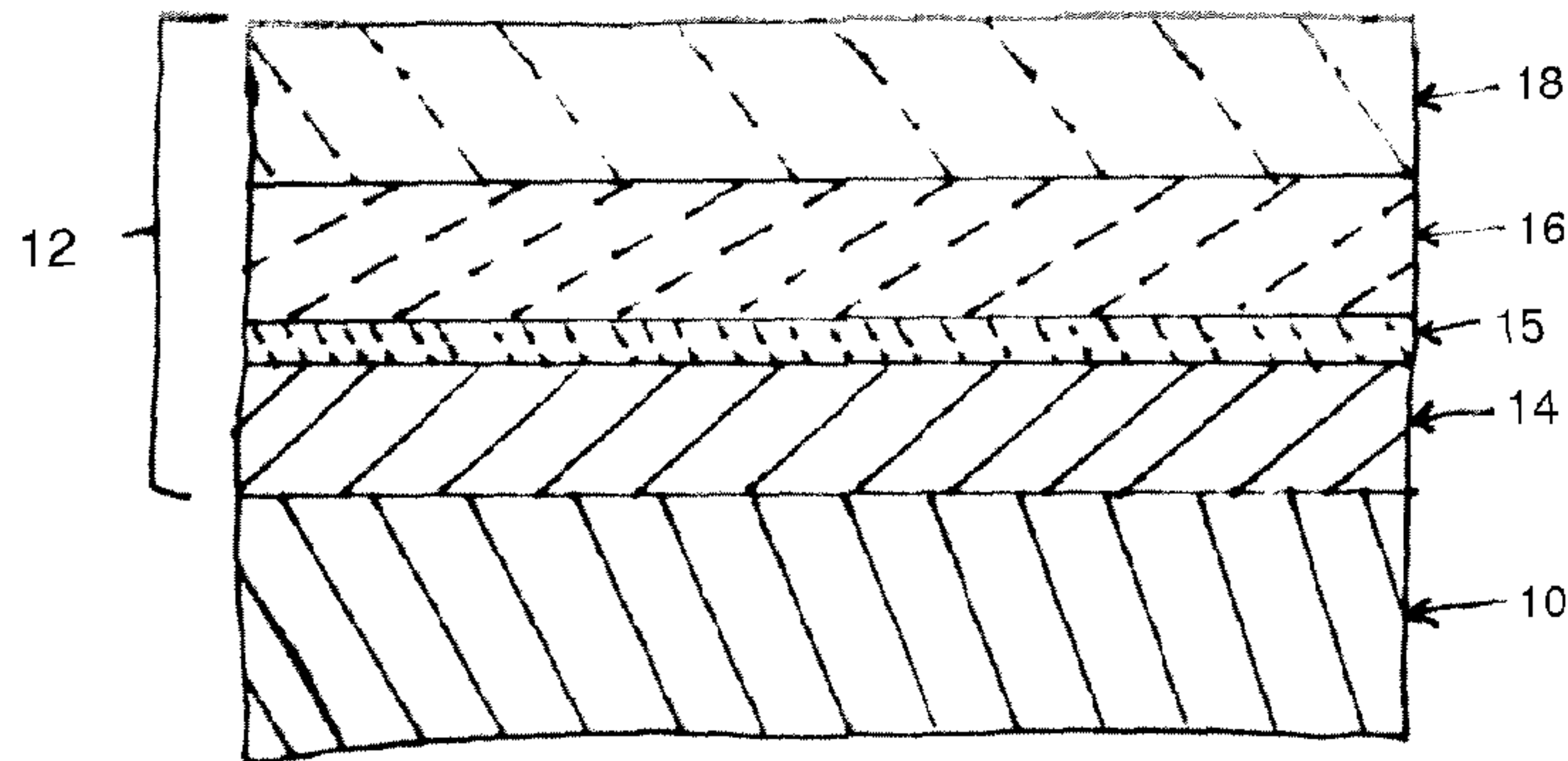




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(54) **Titre : REVETEMENT FORMANT UNE BARRIERE ENVIRONNEMENTALE PRESENTANT LA CAPACITE D'ATTENUER LE CMAS POUR DES COMPOSANTS DE SUBSTRAT EN CERAMIQUE**
(54) **Title: ENVIRONMENTAL BARRIER COATINGS PROVIDING CMAS MITIGATION CAPABILITY FOR CERAMIC SUBSTRATE COMPONENTS**



(57) **Abrégé/Abstract:**

Environmental barrier coatings having CMAS mitigation capability for silicon- containing components. In one embodiment, the barrier coating includes a bond coat layer comprising aluminide-alumina TGO; and an outer layer selected from the group consisting of AeA112O19, AeHfO3, AeZrO3, ZnA12O4, MgA12O4, Ln4A12O9, Lna4Ga2O9, Ln3A15O12, Ln3Ga5O12, Ga2O3, HfO2, and LnPO4. "Ae" represents Mg, Ca, Sr, Ba and mixtures thereof. "Ln" represents Sc, Y, La, Ce, Pr, Nd, Pm, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu and mixtures thereof. "Lna" represents La, Ce, Pr, Nd, Pm, Sm, Eu, Gd and mixtures thereof.

