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(54) Title (EN): BORON-DOPED HIGH-ENTROPY ALLOY AND MANUFACTURING METHOD THEREFOR

(54) Title (FR): ALLIAGE À ENTROPIE ÉLEVÉE DOPÉ AU BORE ET SON PROCÉDÉ DE FABRICATION

(54) Title (KO): 보론이 도핑된 고엔트로피 합금 및 그 제조방법

(57) Abstract:

(EN): Disclosed is a boron-doped high-entropy alloy comprising boron (B) and four or more metals selected from iron (Fe), chromium (Cr), nickel (Ni), cobalt (Co), manganese (Mn), molybdenum (Mo), aluminum (Al), and copper (Cu), and having a single-phase FCC structure.

(FR): L'invention concerne un alliage à entropie élevée dopé au bore, comprenant du bore (B) et au moins quatre métaux choisis parmi le fer (Fe), le chrome (Cr), le nickel (Ni), le cobalt (Co), le manganèse (Mn), le molybdène (Mo), l'aluminium (Al) et le cuivre (Cu), et possédant une structure FCC monophasée.

(KO): 철 (Fe), 크롬 (Cr), 니켈 (Ni), 코발트 (Co), 망간 (Mn), 몰리브덴 (Mo), 알루미늄 (Al) 및 구리 (Cu) 중에서 선택되는 네 가지 이상의 금속 및 보론 (B)을 포함하고, 단상의 FCC 구조를 갖는 보론이 도핑된 고엔트로피 합금을 소개한다.

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