

Method of Depositing a Buffer Layer on Magnesium Oxide Templates and Articles Formed Thereby

Disclosure Number

200101036

Technology Summary

Lanthanum manganate buffer layer is deposited on a biaxially textured magnesium oxide substrate. YBCO deposited on the buffer layer carries a J_c of over 4 MA/square centimeter.

Inventor

CHRISTEN, DAVID K

Condensed Matter Sciences Division

Licensing Contact

CALDWELL, JENNIFER T

UT-Battelle, LLC

Oak Ridge National Laboratory

Rm 137, Bldg 4500N, MS: 6196

1 Bethel Valley Road

Oak Ridge, TN 37831

Office Phone: (865) 574-4180

E-mail: CALDWELLJT@ORNL.GOV

Note: The technology described above is an early stage opportunity. Licensing rights to this intellectual property may be limited or unavailable. Patent applications directed towards this invention may not have been filed with any patent office.