

WB2-2-INV

Recent Progress of Nb₃Sn Wires in Furukawa

*Hisaki Sakamoto¹, Daisuke Asami¹, Masahiro Sugimoto¹, Hideki Ii¹, Hirokazu Tsubouchi¹, Tomoya Kato¹

Furukawa Electric Co., Ltd.¹

Furukawa Electric Co., Ltd. (FEC) started the development of A15 superconductors such as Nb₃Sn and V₃Ga at early '70s and has focused on the development of multi-filamentary Nb₃Sn wires through the bronze process. Since then, FEC has contributed to various fusion projects. such as MFTF-B and ITER. FEC also developed various type of Nb₃Sn wires and cables collaborating with universities and national laboratories.

In this presentation, history and recent topic of Nb₃Sn development at FEC are mentioned.

Keywords: Superconductor, wire, Nb₃Sn, Bronze process