

研究室名	頃安研究室 論文発表
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題名	Mold Filling in Expendable Pattern Casting Process with Branch Flow Channel
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概要	The mold filling in the expendable pattern casting (EPC) process with the branch flow channel was investigated experimentally. Aluminum alloy castings were cast by EPC process using the stick type and branch channel expendable polystyrene (EPS) patterns. The melt fluidity length for the branch channel EPS pattern was longer than that for stick type pattern. The melt fluidity length was predicted using the commercial analysis system of the mold filling system for EPC process. The predicted values of melt fluidity length more or less agreed with experimental values.