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内容
頃安研究室　学会発表
【発表者について】アンダーラインは本学教員、研究員および技術職員、○は発表者、※は大学院生、卒研生または卒業生
消失模型鋳造法における鋳造品の外観と寸法精度に及ぼす充てん砂の影響
○頃安貞利
The effect of the sand materials on the appearance and dimensional accuracy of the casting in the expendable
pattern casting (EPC) process was investigated experimentally. The aluminum alloy casting of the simple shape
with the rib was cast by EPC process, and the dimensional change of the casting from the expendable polystyrene
(EPS) pattern was measured. When the natural silica sand was filled loosely, the positive different dimension of
casting from the EPS pattern was caused, and the leaching of the molten metal due to cracks in the coat wall was
observed. However, when the artificial sand was filled, even with loose filling, the different dimensions of the
casting were small.
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