

# UNITED STATES PATENT

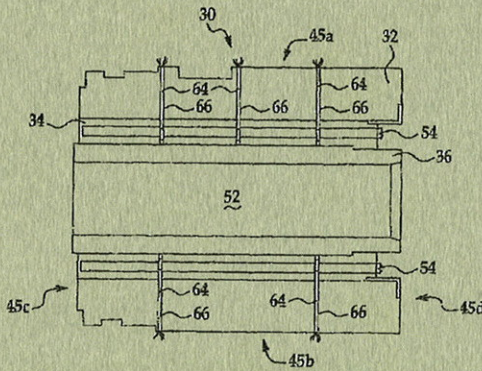
Granted on September 29, 2009

*Paul H. Robbins*

INVENTOR

US 7,594,419 B2

THERMAL CONTROL EXTRUSION PRESS  
CONTAINER



A subliner for use in a metal extrusion press, the subliner comprising an elongate annular body having an outer surface dimensioned for placement within an outer mantle, and an inner surface dimensioned to receive an inner liner. The subliner further comprises at least one heating element positioned longitudinally between the outer and inner surfaces of the elongate annular body for providing heat in at least one selected region of the subliner, in close proximity to the inner liner.

*The Director of Patents and Trademarks has received an application for a patent for a new and useful invention. The requirements of law have been complied with, and it has been determined that a patent on the invention shall be granted under the law. Therefore, this*

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*Grants to the persons having title, the right to exclude others from making, using or selling the invention throughout the United States of America for the term of the patent.*



*David J. Kappas*

Director of the United States Patent and Trademark Office

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