Abstract

TITLE OF INVENTION: FRAME AND EXTERIOR SHROUDING FOR LASER PROCESSING SYSTEM

A frame for a laser processing module can be characterized as including a platform, a sandwich panel comprising a first plate and a second plate, a plurality of exterior walls, and a core including stiffeners perforated by a plurality of first openings defining an interior of the sandwich panel configured to facilitate air flow in spaces between the first plate and the second plate. A plurality of second openings are formed in the exterior walls, and a plurality of third openings are formed in the first plate, so that the interior of the sandwich panel is in fluid communication with a region external to the sandwich panel such that air flows through the sandwich panel and exits the sandwich panel via the plurality of second openings. A plurality of base supports having a plurality of plates and a plurality of beams extend from the sandwich panel to the platform.

[Fig. 2]