

Title (en)
HEATED AND COOLED BOOT AND SUIT WITH FORCED AIR CIRCULATION

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Application
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Abstract (en)
[origin: WO8909552A1] A boot (10) has an internal forced air circulation system and an inflatable lining (64). The boot can also be used to circulate air through protective clothing and can have a footwarmer mechanism. In one embodiment, the footwarmer mechanism includes an electrical resistance heater (394), an electrical generator (64), a mechanical transducer (60) to translate vertical movements of the wearer's heel into unidirectional rotational movement of a flywheel (123), and a gear box (62) mechanically coupling the flywheel to the electrical generator. Optional features include a rechargeable storage battery (65) and a radio transmitter (67) for generating a signal useful for locating the wearer. In another embodiment (326, 328) the footwarmer mechanism can be a pair of sole plates which are in sliding frictional engagement and generate frictional heat.

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• See also references of WO 8909552A1

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