

Title (en)
THERMAL ACCELERANT COMPOSITIONS AND METHODS OF USE

Title (de)
WÄRMEBESCHLEUNIGERZUSAMMENSETZUNGEN UND VERFAHREN ZUR VERWENDUNG

Title (fr)
COMPOSITIONS D'ACCÉLÉRANT THERMIQUE ET PROCÉDÉS D'UTILISATION

Publication
EP 4072457 A4 20240103 (EN)

Application
EP 20899590 A 20201209

Priority
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Abstract (en)
[origin: WO2021119173A1] A thermal accelerant is delivered to a tissue site and localized to modulate the shape, extent or other characteristic of RF or microwave-induced hyperthermic tissue ablation. The accelerant may be provided via an image-guided hand piece or via a lumen added to a microwave antenna, and promotes faster heating, more complete ablation and/or a more extensive treatment region to reduce recurrence of treated cancers, overcoming natural limitations, variations in tissue response and drop-off or thermal loss away from the antenna. The accelerant is delivered as a viscous but heat sensitive fluid, and is fixed in place to provide regions of preferential absorption or heating. Shorter exposure times to heat the far field may allow survival of vulnerable tissue such as vessels, and multiple antennae may be used for effective treatment of irregular or large tumors.

IPC 8 full level
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Citation (search report)
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• See also references of WO 2021119173A1

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