

Title (en)  
CRYOSURGICAL APPARATUS

Title (de)  
KRYOCHIRURGISCHES GERÄT

Title (fr)  
INSTRUMENT DE CRYOCHIRURGIE

Publication  
**EP 1075222 A1 20010214 (EN)**

Application  
**EP 99919422 A 19990430**

Priority  
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• GB 9809342 A 19980430

Abstract (en)  
[origin: GB2336781A] Cryosurgical apparatus, for example, a probe 10 produces cooling by vaporization of a liquid cryogen, such a liquid nitrogen. Means 40 are located adjacent to the cooling region of the probe to define a tortuous flow path for the cryogen to, through, or from, the cooling region, in order to improve the thermal efficiency of the probe. In one form, the means 40 consists of a wire wound into a spring shape to define a helical path between concentric conduits 22, 24 defining inlet and exhaust passages 26 and 28 for the cryogenic fluid.

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IPC 8 full level  
**A61B 18/02** (2006.01)

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Citation (search report)  
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**GB 9809342 A 19980430**; EP 99919422 A 19990430; GB 9901354 W 19990430; JP 2000546678 A 19990430