

Title (en)
DIAMOND SURGICAL BLADE

Title (de)
CHIRURGISCHE DIAMANTSCHNEIDE

Title (fr)
LAME CHIRURGICALE A DIAMANT

Publication
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Application
EP 93925082 A 19931027

Priority
• US 9310312 W 19931027
• US 96780092 A 19921028

Abstract (en)
[origin: WO9409710A1] Surgical blades, knives and keratotomy procedures are provided which enable combined Russian and American techniques within each radial incision. The blades of this invention include an elongated crystalline gemstone having proximal and distal ends, front and back opposing planar surfaces and first and second longitudinal sides. The distal end of the gemstone includes first and second cutting edges (32, 34) extending distally from the first and second longitudinal sides and joined to form a sharp apex for piercing into a cornea, or the like. The second edge is shorter than the length of the first cutting edge and includes a cutting depth of less than about .5 mm, or within the critical range beginning at about .120 mm.

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