

[54] **TISSUE IRRIGATING SOLUTION**[75] **Inventors:** Michael E. Garabedian, Arlington;  
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Worth, Tex.[21] **Appl. No.:** 582,564[22] **Filed:** Feb. 22, 1984**Related U.S. Application Data**[63] Continuation-in-part of Ser. No. 308,386, Oct. 5, 1981,  
Pat. No. 4,443,432.[51] **Int. Cl.<sup>4</sup>** ..... A61K 33/00; A61K 33/14;  
A61K 33/06; A61K 33/10[52] **U.S. Cl.** ..... 424/127; 424/128;  
424/153; 424/154; 424/156[58] **Field of Search** ..... 424/127, 128, 153, 154,  
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pp. 594-597, 1976.*Primary Examiner*—Douglas W. Robinson*Attorney, Agent, or Firm*—Lowe, King, Price & Becker[57] **ABSTRACT**

A tissue irrigating solution useful for irrigating animal tissue, such as ocular tissue and neuro tissue, during surgery, contains sodium, potassium, magnesium, calcium, chloride, and bicarbonate ions as well as dextrose and glutathione in proportions consistent with the osmotic stability and continued metabolism of the tissue cells. The irrigating solution is prepared by mixing a first basic solution which provides the bicarbonate and a second acidic solution which provides the calcium, magnesium, dextrose and glutathione. The first and second solutions may be stored as stable, sterile solutions for extended periods of time and mixed within 24 hours of use.

**16 Claims, No Drawings**