



(12) **United States Patent**
O'Mara

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(54) **INTUBATION DEVICE AND METHOD**

3,677,262 A 7/1972 Zukowski 128/6

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(Continued)

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FOREIGN PATENT DOCUMENTS

EP 0 131 659 A1 1/1985

(Continued)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 577 days.

OTHER PUBLICATIONS

Products—LMA Fastrachtm URL=http://www.lmana.com/prod/components/products/lma_fastrach.html, download date Mar. 1, 2002.

(Continued)

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See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,463,149 A * 3/1949 Caine 128/200.26
2,516,494 A * 7/1950 Wallace 600/129
3,256,875 A * 6/1966 Tsepelev et al. 600/148
3,297,022 A * 1/1967 Wallace 600/172

(57) **ABSTRACT**

In one embodiment, an apparatus is characterized by an intubation-tube placement device; and an intubation tube secured to the intubation-tube placement device. In another embodiment, an apparatus is characterized by an intubation-tube placement device; and an anti-perforation device coupled to the intubation-tube placement device. In another embodiment, an apparatus is characterized by an intubation-tube placement device; and at least one tactile-accentuator flap coupled to the intubation-tube placement device. In another embodiment, an apparatus is characterized by an intubation-tube placement device; and a handle affixed to the intubation-tube placement device. In another embodiment, a method is characterized by inserting an intubation-tube placement device, secured to an intubation tube, into a patient's oral cavity; forcing the intubation-tube placement device through the patient's vocal cords; and axially sliding the intubation tube along the intubation-tube placement device such that the intubation tube follows the intubation-tube placement device through the patient's vocal cords.

43 Claims, 12 Drawing Sheets

