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Murljacic

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[56]

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[34]	METHODS	
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Jun	. 26, 1995					

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[52]	U.S. Cl	433/26 ; 356/408
[58]	Field of Search	433/26, 29, 203.1,

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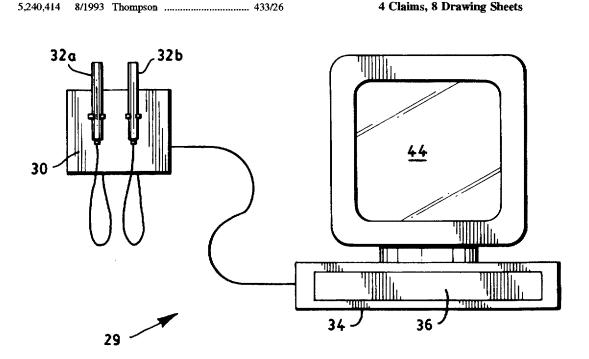
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Primary Examiner—Cary E. O'Connor Attorney, Agent, or Firm-Curtis A. Vock

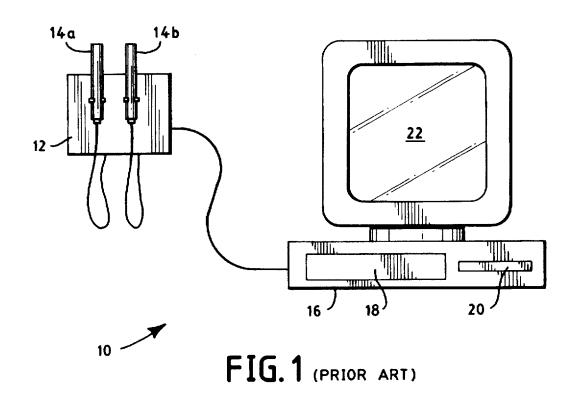
[57] **ABSTRACT**

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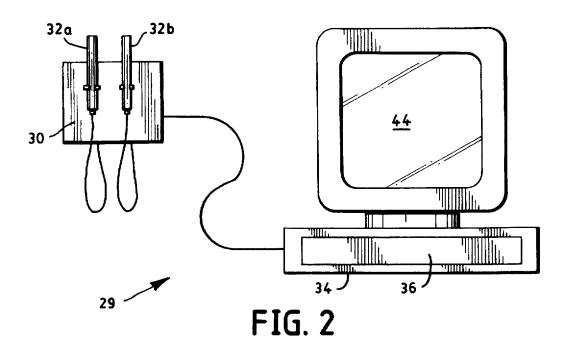
An intraoral camera connects to a shade analyzer subsystem, e.g., a digital video processor, and a color display monitor. The camera captures a digital color image of the patient's tooth and the subsystem compares that image to a stored plurality of tooth shades. Each tooth shade is represented in a block of data, including color image data, a tooth shade digital word, and a manufacturer type. The patient's tooth image includes an RGB chromaticity representation that is scanned and compared with the several tooth shades stored in memory, and a match is determined and communicated to a user of the system. The methodology includes the specification of fractional tooth shades, if needed, corresponding to a plurality of porcelain films for manufacturing a reconstructed tooth.



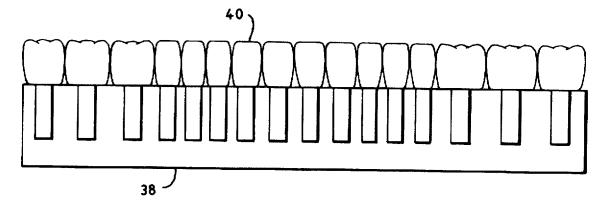




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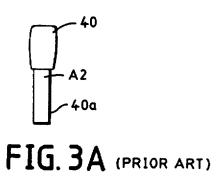






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FIG. 3 (PRIOR ART)

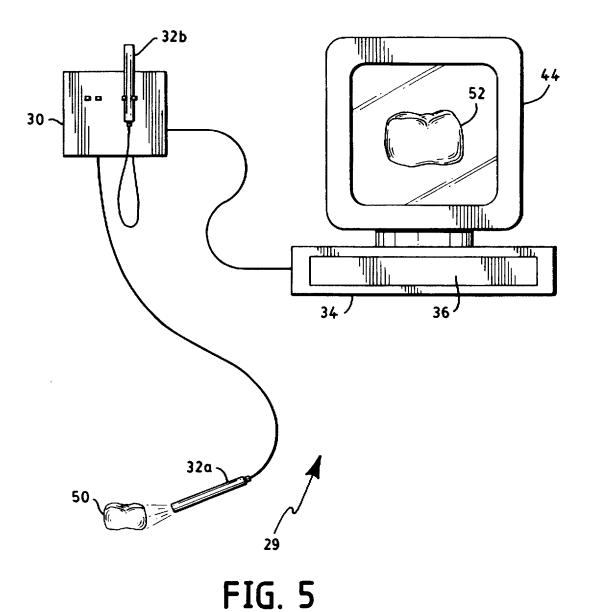


DIGITAL COLOR IMAGE
DATA 42a

TOOTH SHADE DATA 42b

MANUFACTURER DATA 42c

FIG. 4



DOCKET

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