

Title (en)

LIGHTWEIGHT HAND HELD DENTAL CURING DEVICE

Title (de)

LEICHTE IN DER HAND HALTBARE DENTALE HÄRTUNGSVORRICHTUNG

Title (fr)

INSTRUMENT DE PHOTOPOLYMERISATION DENTAIRE LEGER A MAIN

Publication

EP 1480573 A1 20041201 (EN)

Application

EP 03737540 A 20030117

Priority

- US 0301355 W 20030117
- US 6810302 A 20020205
- US 6839702 A 20020205

Abstract (en)

[origin: WO03065920A1] A dental device (10) configured for curing light-curable compounds includes a slender body (12) having the general configuration of a dental hand piece. The dental device is equipped with finger controls (70, 72, 74) for controlling the emission of light from an LED light source (40) disposed at the distal end (16) of the dental device. The LED light source (40) may include transillumination lenses (50) for protecting the light source, filtering out undesired radiant energy, and/or focusing light emitted by the light source to yield a desired footprint. A remote power supply connected with the dental device provides power to the dental device without increasing the size or weight of the dental device. Alternatively, the dental device may include an internal battery. The body of the dental device may be configured so as to fit within the holding slot (84) of a standard dental hand piece holding tray (100).

IPC 1-7

A61C 3/00

IPC 8 full level

A61C 5/00 (2006.01); **A61C 13/15** (2006.01)

CPC (source: EP)

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