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(54) Title: LOW POWER LASER THERAPY DEVICE WITH UNIFORM INTENSITY DISTRIBUTION

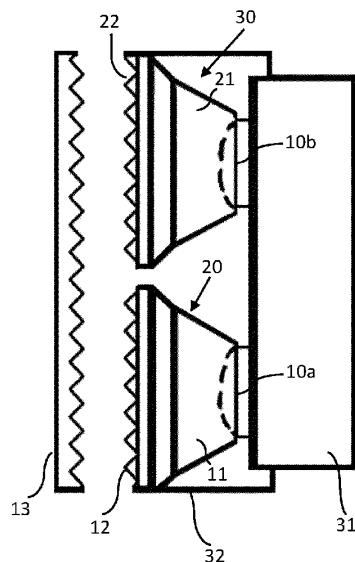


Fig. 2

(57) Abstract: Low power laser therapy device, which comprises at least two optical systems (20, 30) each of them comprising a laser light source (10a or 10b), a beam expander (11 or 21) in front of said light sources, a raster arrangement of first light scattering elements (12) on the frontal surface of the associated beam expander, and the device comprise a housing (31, 32) around the optical systems (10, 30) having a mouth opening covered by a closing member, wherein in front of the optical systems (20, 30, 40 or 50) a second light scattering element (13) is arranged that fills said mouth opening and comprising a raster arrangement of pyramids arranged in rows and columns, and the first light scattering elements (11) are made as pyramids, and the beam expanders (11, 21) and the first and second light scattering elements (12, 13) are made from transparent material that does not affect the polarization of light rays passing therethrough. Title: Low power laser therapy device with uniform intensity distribution

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