
Excimer Lasers

history and future prospects of excimer laser technology - history and future prospects of excimer laser technology dirk basting, klaus pippert, and uwe stamm ... configuration of excimer lasers with unstable resonator-the emg 150-was commercialized. the principle of the emg 150wasadaptedfromsolid-state lasers which had been op- **a brief introduction to excimer lasers: fundamental study** - excimer lasers were invented as a new class of lasers. for the important excimer lasers of today the name excimer laser is used only by convention since here excited complexes of rare gas monohalides rather than excited dimers form the active medium. also exciplexes exist with some stability only in the excited state. **excimer lasers & uv optical systems - edgeherent** - excimer laser excistar excimer lasers are table top-size lasers designed for easy system integration. the proven almeta tube design ensures industrial-grade performance and endurance. thousands of excistar lasers serve a broad range of delicate tasks including cornea ablation, prescription lens marking, and optical sensor manufacturing. **mixtures: fluorine excimer lasers - lindeus** - excimer lasers are multi-gas lasers. output wavelength is a function of the rare gas/halogen combination. excimer is the name of the rare gas / halide molecule. there are four wavelengths (spectral lines) that can be generated from fluorine mixtures. **progress of excimer laser technologies** - progress of excimer laser technologies dr. hakaru mizoguchi laser research department, research division, komatsu ltd. 1200 manda, hiratsuka-shi, kanagawa japan biography dr. hakaru mizoguchi is general manager of laser research department in central research center. he has been working in the field of excimer laser for micro-lithography since ... **ex50 excimer laser manual - chemrkeley** - ex 50 excimer laser manual gam laser, inc. excimer lasers 6901 tpc # 300 orlando fl. 32822 ph. 407-851-8999 5 ex50 excimer laser manual june 2006 edition for models ex50/250, ex50/500, ex50/750, ex50/1000 1 introduction the ex50 is a state of the art, high reliability, long life excimer laser utilizing total ceramic/metal construction. **gentle laser therapy for psoriasis pharos ex-308** - excimer lasers pharos ex- 308 excimer laser psoriasis psoriasis vitiligo courtesy of yasser a. hammed, md courtesy of b. goffe, md courtesy of b. goffe, md * individual results may vary. consult your doctor for more information. "i've had moderate psoriasis since i was a child. my doctor told me he could help me achieve remission **the excimer laser and applications to corneal ablative surgery** - • excimer - "excited dimer" - a diatomic molecule in which the constituent atoms are bound only in an excited state, while exhibiting mutual repulsion at all distances in the ground state. - excimer molecules critical to laser applications consist of a halogen atom and a noble gas atom. - excimer lasers emit photons in the uv ... **modeling the effects of excimer laser bandwidths on ...** - only by using a light source with a very narrow range of wavelengths. spectral line-narrowed excimer lasers have served this purpose for deep-uv lithography. today's lasers have bandwidths in the sub-picometer range, providing nearly monochromatic illumination for refractive projection lenses. **excimer lasers—40 never looked better - edgeherent** - cally, excimer lasers. both 248 and 193 nm lasers are used for photolithography. in particular, 193 nm excimer lasers enable circuit pattern features down to 10 nm, which is far below the diffraction limit. achieving this necessitated the development of highly specialized excimers with grating-controlled line narrowing to minimize chromatic aberration. **excimer laser treatment for vitiligo** - treatment of a vitiligo with pharos ex-308 excimer laser overview excimer lasers can treat vitiligo more effectively, safely, and conveniently than topical creams, uvb booths, or puva. effective: clinical studies show that patients treated with the excimer laser system achieve greater repigmentation than with any other present vitiligo therapy. **freeform microlens array homogenizer for excimer laser ...** - excimer lasers are powerful and versatile lasing sources in the uv range of the electromagnetic spectra. because of their high pulse energies, high average power, cold ablation and shorter wavelength [1, 2], excimer lasers have countless applications, not only in

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