

Title (en)

INDUSTRIAL DIRECTLY DIODE-PUMPED ULTRAFAST AMPLIFIER SYSTEM

Title (de)

INDUSTRIELLES DIREKT DIODENGEPUMPTE ULTRASCHNELLES VERSTÄRKERSYSTEM

Title (fr)

SYSTEME AMPLIFICATEUR ULTRARAPIDE INDUSTRIEL POMPE DIRECTEMENT PAR DIODE

Publication

EP 1711987 A2 20061018 (EN)

Application

EP 05705148 A 20050107

Priority

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- US 76221604 A 20040120

Abstract (en)

[origin: WO2005069452A2] A directly diode-pumped amplifier system is disclosed which produces sub-picosecond pulses with an output power of 2 watts or more. Computer resources are coupled to the amplifier system and are configured to provide control of operating parameters of the amplifier system. An optional second harmonic generator is supplied to increase the contrast ratio and reduce the minimum focal spot size. This amplifier system can be utilized for material processing applications.

IPC 8 full level

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CPC (source: EP US)

H01S 3/10069 (2013.01 - EP); **H01S 3/115** (2013.01 - EP US); **H01S 3/005** (2013.01 - EP); **H01S 3/0057** (2013.01 - EP); **H01S 3/0092** (2013.01 - EP); **H01S 3/09415** (2013.01 - EP); **H01S 3/1618** (2013.01 - EP)

Citation (search report)

See references of WO 2005069452A2

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