

Title (en)

LOW-ENERGY PHONON SPECTRUM GLASS COMPOSITION, METHOD FOR THE PRODUCTION AND USE THEREOF

Title (de)

GLASZUSAMMENSETZUNG MIT EINEM PHONONENSPEKTRUM NIEDRIGER ENERGIE, VERFAHREN ZU DEREN HERSTELLUNG SOWIE DEREN VERWENDUNG

Title (fr)

COMPOSITION DE VERRE PRESENTANT UN SPECTRE A PHONONS DE FAIBLE ENERGIE, SON PROCEDE DE PRODUCTION ET SON UTILISATION

Publication

EP 0914300 A2 19990512 (DE)

Application

EP 98929219 A 19980409

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- DE 19813607 A 19980327

Abstract (en)

[origin: WO9846538A2] The invention relates to the production of a glass composition based on rare earth metal doped chalcogenide and chalcocalide glass with or without co-doping and to a method for producing the same, in addition to a method for producing thin, transparent glass layers and the use thereof as optical components. The glass composition contains at least one element from the third main group, at least one element from the fourth main group, at least one halogenide element and at least one rare earth metal element as a doping additive, in addition to sulfur.

IPC 1-7

C03C 3/32; C03C 4/10

IPC 8 full level

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