Title (en)
POLYCRYSTALLINE CORUNDUM FIBERS AND METHOD FOR THE PRODUCTION THEREOF

Title (de)
POLYKRISTALLINE KORUNDFASERN UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)
FIBRES POLYCRISTALLINES EN CORINDON ET LEUR PROCÉDÉ DE PRODUCTION

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Application
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Abstract (en)
[origin: CA2664745A1] The invention relates to polycrystalline corundum fibers substantially co nsisting of corundum and an oxide of the elements of the main groups I or II of the periodic table. The crystallites of said corundum fibers have the fo llowing grain size distribution: 0 to 0.15 micrometers (34 %), 0.15 to 0.29 micrometers (55 %) and 0.29 to 0.43 micrometers (11 %). Said corundum fibers are produced by mixing nuclei and an oxide former of the elements of the ma in groups I. and II of the periodic table with an aluminium chlorohydrate, b y adding a water-soluble polymer, then by spinning fibers from said mixture and by calcining said fibers at temperatures above 1100°C.

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