

Title (en)

Method and apparatus for heating a silizium glasfibre on a fibrating installation.

Title (de)

Verfahren und Anlage zum Erwärmen einer Siliziumglasfaser auf einer Zerfaserungsanlage.

Title (fr)

Procédé et dispositif de chauffage d'une fibre optique en silice sur une installation de fibrage.

Publication

EP 0506566 A1 19920930 (FR)

Application

EP 92400835 A 19920326

Priority

FR 9103879 A 19910329

Abstract (en)

An apparatus is employed for heating a silica optical fibre (10) on a fibrating installation, which apparatus is intended to be arranged at the output of the fibrating oven in order to bring the said fibre to a temperature above 1,000 DEG C; it is characterised in that it comprises a microwave generator associated via coupling means with a resonant cavity formed by a metal wire wound into a helix (20) and fixed at its two ends (23, 24) respectively to two so-called short-circuit metal plates (25, 26), the said fibre being able to pass substantially along the axis (21) of the said helix. <IMAGE>

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H05B 6/78

IPC 8 full level

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CPC (source: EP US)

H05B 6/788 (2013.01 - EP US); **Y10T 428/12444** (2015.01 - EP US)

Citation (search report)

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