

Title (en)

Method for working polymeric and inorganic materials with plasma

Title (de)

Verfahren zur Verarbeitung polymerischer und anorganischer Materialien mit Plasma

Title (fr)

Procédé pour le travail de matériaux polymères et inorganiques avec du plasma

Publication

**EP 2287394 A1 20110223 (EN)**

Application

**EP 10184545 A 20030725**

Priority

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- EP 03817632 A 20030725
- IT 0300463 W 20030725

Abstract (en)

The present invention relates to a method for the working of woven and non-woven fabrics, yarns, natural and polymeric fibres, and inorganic fibres and films, glass and alcantara. In particular, it relates to a method comprising at least one treatment stage with cold plasma, realised using a source of plasma that originates particles that are substantially neutral, wherein said plasma is produced at a pressure approximately the same as the atmospheric pressure, and said plasma source originating substantially neutral particles is obtained through pulsed plasma.

IPC 8 full level

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Citation (applicant)

IT 0200335 W 20020523

Citation (search report)

- [X] US 6103068 A 20000815 - MERTEN THOMAS [DE], et al
- [XI] WO 9858117 A1 19981223 - SECR DEFENCE [GB], et al
- [XI] EP 0985741 A1 20000315 - PROCTER & GAMBLE [US]

Cited by

CN110651082A; WO2018210996A1

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**WO 2005010271 A1 20050203**; AU 2003253275 A1 20050214; EP 1649100 A1 20060426; EP 2287394 A1 20110223; EP 2287394 B1 20140101

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**IT 0300463 W 20030725**; AU 2003253275 A 20030725; EP 03817632 A 20030725; EP 10184545 A 20030725