

Title (en)
Method of catalytic conversion of harmful substances by means of plasma

Title (de)
Verfahren zum katalytischen Umsetzen von Schadstoffen mittels eines Plasmas

Title (fr)
Méthode de conversion catalytique des substances nocives au moyen de plasma

Publication
EP 1097729 B1 20060329 (DE)

Application
EP 00123040 A 20001024

Priority
DE 19953110 A 19991104

Abstract (en)
[origin: EP1097729A2] In decomposing noxious gases, liquids and/or solids (I) into harmless decomposition products by plasma excitation, optional pre-decomposition or chemical reaction and catalytic decomposition, an active catalyst (II) is formed in situ in the plasma and (I) and/or the decomposition products are decomposed completely on (II). In decomposing noxious gases, liquids and/or solids (I) into (almost) harmless decomposition products by plasma excitation, optional pre-decomposition or chemical reaction and catalytic decomposition, starting material(s) for the formation of active catalyst (II) under the plasma conditions is added to the plasma continuously, (II) is formed in situ in the plasma and (I) and/or the decomposition products are decomposed completely on (II).

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