

Title (en)  
PROCESS FOR ASHING ORGANIC MATERIALS FROM SUBSTRATES

Title (de)  
VERFAHREN ZUR VERASCHUNG VON ORGANISCHEN MATERIALEN AUF SUBSTRATEN

Title (fr)  
PROCEDE DE BRULAGE DE MATERIAUX ORGANIQUES PRESENTS A LA SURFACE DE SUBSTRATS

Publication  
**EP 1074043 A1 20010207 (EN)**

Application  
**EP 99904261 A 19990126**

Priority  
• US 9901560 W 19990126  
• US 1469598 A 19980128

Abstract (en)  
[origin: WO9939382A1] Ashing of an organic film from a substrate is carried out by providing a plasma comprising a gas or gas mixture selected from the following groups: (a) sulfur trioxide alone; (2) sulfur trioxide plus one supplemental gas; and (3) sulfur trioxide plus at least two supplemental gases. Any of the following gases may be employed as the supplemental gas: water vapor, ozone, hydrogen, nitrogen, nitrogen oxides, or a halogenide such as tetrafluoromethane, chlorine, nitrogen trifluoride, hexafluoroethane, or methyltrifluoride.

IPC 1-7  
**H01L 21/302**; C09K 13/00

IPC 8 full level  
**G03F 7/42** (2006.01); **H01L 21/302** (2006.01); **H01L 21/3065** (2006.01); **H01L 21/311** (2006.01); **H05K 3/26** (2006.01)

CPC (source: EP KR)  
**G03F 7/427** (2013.01 - EP); **H01L 21/302** (2013.01 - KR); **H01L 21/31138** (2013.01 - EP); **H05K 3/26** (2013.01 - EP)

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**WO 9939382 A1 19990805**; CA 2319018 A1 19990805; CA 2319018 C 20040824; CN 1154159 C 20040616; CN 1289452 A 20010328; EP 1074043 A1 20010207; EP 1074043 A4 20021106; IL 137513 A0 20010724; IL 137513 A 20040512; JP 2002502125 A 20020122; JP 3358808 B2 20021224; KR 100377711 B1 20030326; KR 20010040431 A 20010515; MY 134851 A 20071231; TW I239994 B 20050921

DOCDB simple family (application)  
**US 9901560 W 19990126**; CA 2319018 A 19990126; CN 99802399 A 19990126; EP 99904261 A 19990126; IL 13751399 A 19990126; JP 2000529750 A 19990126; KR 20007008217 A 20000727; MY PI9900277 A 19990126; TW 88101212 A 19990323