

Title (en)  
PROCESS FOR ASHING ORGANIC MATERIALS FROM SUBSTRATES

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

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

Publication  
**EP 1074043 A4 20021106 (EN)**

Application  
**EP 99904261 A 19990126**

Priority  
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• 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)

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

Citation (search report)  
• [A] US 5037506 A 19910806 - GUPTA SUBHASH [US], et al  
• [A] FR 2673763 A1 19920911 - CENTRE NAT RECH SCIENT [FR], et al  
• [A] PATENT ABSTRACTS OF JAPAN vol. 016, no. 291 (E - 1224) 26 June 1992 (1992-06-26)  
• See references of WO 9939382A1

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