

Title (en)

Apparatus for replacing the oxygen in a laminar air boundary layer by an inert gas, and use thereof

Title (de)

Vorrichtung zum Ersetzen des Luftsauerstoffs durch ein Inertgas aus einer laminaren Luftgrenzschicht sowie Verwendung derselben

Title (fr)

Dispositif pour remplacer, dans une couche limite laminaire d'air, l'oxygène par un gaz inerte, et son utilisation

Publication

EP 1441192 A3 20060517 (DE)

Application

EP 03026135 A 20031113

Priority

DE 10302367 A 20030122

Abstract (en)

[origin: EP1441192A2] The air hydrogen replacement device replaces the hydrogen with nitrogen from the air boundary layer (3) of the substrates (1) of material webs moving in the transporting direction (2). It has two corona electrodes (5, 6) and a counter-electrode (7). The device (15) supplying the inert gas to the region of the second corona electrode (6) comes out in the negative pressure zone (12).

IPC 8 full level

B41F 23/04 (2006.01); **F26B 21/14** (2006.01); **B01J 19/08** (2006.01); **B01J 19/12** (2006.01); **F26B 3/28** (2006.01); **F26B 3/34** (2006.01); **F26B 7/00** (2006.01); **F26B 13/00** (2006.01); **F26B 13/10** (2006.01)

CPC (source: EP US)

F26B 3/283 (2013.01 - EP US); **F26B 3/343** (2013.01 - EP US); **F26B 7/002** (2013.01 - EP US); **F26B 13/10** (2013.01 - EP US); **F26B 21/14** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1441192 A2 20040728; **EP 1441192 A3 20060517**; **EP 1441192 B1 20080702**; AT E399971 T1 20080715; DE 10302367 A1 20040805; DE 50310062 D1 20080814; JP 2004243316 A 20040902; JP 4417735 B2 20100217; US 2004184973 A1 20040923; US 7431897 B2 20081007

DOCDB simple family (application)

EP 03026135 A 20031113; AT 03026135 T 20031113; DE 10302367 A 20030122; DE 50310062 T 20031113; JP 2004014683 A 20040122; US 76055104 A 20040121