

Title (en)
DEVICE AND METHOD FOR PRODUCING A SOLID-PARTICLE AEROSOL

Publication
EP 0353746 A3 19901212 (DE)

Application
EP 89114303 A 19890803

Priority
• DE 8809948 U 19880804
• DE 8811320 U 19880907

Abstract (en)
[origin: EP0353746A2] In a device for producing a solid-particle aerosol, such as a carbon aerosol, in which aerosol particles are produced by spark discharge via particle-emitting electrodes, it is proposed that the electrodes have parallel adjacent end faces, that they are provided with a feed drive which synchronously moves them towards one another, that the generated particles can be moved on by means of a stream of gas and that the electrodes are driven via spindles with threads running in opposite directions to one another.

IPC 1-7
B05B 7/18; **B05B 7/22**; **B05B 7/14**

IPC 8 full level
B01F 23/30 (2022.01); **B05B 7/14** (2006.01); **B05B 7/18** (2006.01); **B05B 7/22** (2006.01)

CPC (source: EP)
B01F 23/30 (2022.01); **B01F 33/05** (2022.01); **B05B 7/22A** (2013.01)

Citation (search report)
• [X] US 3358114 A 19671212 - KIYOSHI INOUE
• [Y] US 1795707 A 19310310 - BLYMYER LAFAYETTE W
• [Y] CH 281749 A 19520331 - ELECTRONIC REDUCTION CORP [US]
• [A] US 2488861 A 19491122 - GOOCH RALPH W
• [A] PLASMA CHEMISTRY AND PLASMA PROCESSING, Band 5, Nr. 1, März 1985, Seiten 1-37, New York, US; R.M. YOUNG et al.: "Generation and behavior of fine particles in thermal plasmas - A review"

Cited by
DE102013106102A1; DE102018210904A1; WO9929432A1; WO2006005212A1; EP3141585A1; DE102015011853A1; US10583416B2; EP1055877A1; WO0073699A1; US6946101B1

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
DE 8811320 U1 19891012; DE 58907272 D1 19940428; EP 0353746 A2 19900207; EP 0353746 A3 19901212; EP 0353746 B1 19940323

DOCDB simple family (application)
DE 8811320 U 19880907; DE 58907272 T 19890803; EP 89114303 A 19890803