

Title (en)  
Ionizer.

Title (de)  
Ionisator.

Title (fr)  
Ionisateur.

Publication  
**EP 0554591 A1 19930811 (EN)**

Application  
**EP 92300927 A 19920204**

Priority  
EP 92300927 A 19920204

Abstract (en)  
An ionizer (1) is of the type comprising shear means for subjecting water to shear and air impulsion means (23) for bringing air into contact with the sheared water. Lower operating noise, less frequent maintenance and reduced water consumption are provided by fabricating the shear means with a plate (31/33), a drive (37) for rotating the plate (31/33) and means (39/41) for spraying water onto the plate (31/33) whilst it is rotating. As well as producing air rich in negative ions, the ionizer also humidifies the air. <IMAGE>

IPC 1-7  
**F24F 6/16**

IPC 8 full level  
**F24F 6/16** (2006.01)

CPC (source: EP)  
**F24F 6/16** (2013.01)

Citation (search report)  
• [X] DE 1279915 B 19681010 - ALBIN SPRENGER KOMMANDIT GES  
• [X] DE 3603112 A1 19870806 - DUEPRO AG [CH]  
• [X] DE 1876686 U 19630801 - STUHLMANN GEB [DE]

Cited by  
CN112762565A; EP1420213A3; EP0654640A1; JP2017072320A; DE19503937A1; DE19503937C2; CN103893810A; JP2019100698A; JP2015043851A; JP2016148489A; WO2015158254A1; WO2017156561A1; US10722606B2; US10363515B2

Designated contracting state (EPC)  
CH DE DK FR GB IT LI SE

DOCDB simple family (publication)  
**EP 0554591 A1 19930811**

DOCDB simple family (application)  
**EP 92300927 A 19920204**