

Title (en)  
Spray nozzle for a cooling tower

Title (de)  
Sprühdüse für einen Kühlturm

Title (fr)  
Buse de pulvérisation pour une tour de refroidissement

Publication  
**EP 0654649 B1 19981223 (EN)**

Application  
**EP 94107262 A 19940510**

Priority  
IT MI932472 A 19931123

Abstract (en)  
[origin: EP0654649A2] A rotor mounted on a stand (10, 15) and placed under the outlet section of a spray nozzle (11) for cooling tower is described, which uniformly distribute the water which goes out from said outlet section. The substantially conical rotor rotates by the action of the water which goes out from said outlet section urging a series of fins (3) present on its surface; the rotor main body (4) is provided, starting from the external edge, with one or more series of equidistant cavities (5, 6, 7, 8) having different depth and an arc profile similar to the fins one. <IMAGE>

IPC 1-7  
**F28F 25/06**; B05B 3/04

IPC 8 full level  
**B05B 3/04** (2006.01); **F28F 25/06** (2006.01)

CPC (source: EP)  
**B05B 3/0486** (2013.01); **F28F 25/06** (2013.01)

Cited by  
CN112964119A; CN110801993A; EP1096217A3; CN105180710A; CN110455114A

Designated contracting state (EPC)  
BE DE ES FR GB IT NL

DOCDB simple family (publication)  
**EP 0654649 A2 19950524**; **EP 0654649 A3 19951025**; **EP 0654649 B1 19981223**; DE 69415482 D1 19990204; DE 69415482 T2 19990602; ES 2129538 T3 19990616; IT 1265344 B1 19961122; IT MI932472 A0 19931123; IT MI932472 A1 19950523

DOCDB simple family (application)  
**EP 94107262 A 19940510**; DE 69415482 T 19940510; ES 94107262 T 19940510; IT MI932472 A 19931123