

Title (en)
Double swirl nozzle

Title (de)
Doppeldrallsprühdüse

Title (fr)
Büse à double tourbillon

Publication
EP 1491260 B1 20050810 (DE)

Application
EP 03014004 A 20030621

Priority
EP 03014004 A 20030621

Abstract (en)
[origin: EP1491260A1] A gas washer has water jets, each of which has a water inlet (10) and two outlet chambers (5, 6) that impart a rotational twist to the emerging droplets in opposite directions. The two jets are aligned along slightly diverging axes. The overlapping droplet zone the contra-rotation of droplets results in collisions and further droplet atomisation.

IPC 1-7
B05B 1/34

IPC 8 full level
B01D 53/34 (2006.01); **B01D 53/18** (2006.01); **B01D 53/77** (2006.01); **B05B 1/14** (2006.01); **B05B 1/34** (2006.01)

CPC (source: EP KR US)
B05B 1/14 (2013.01 - EP KR US); **B05B 1/3426** (2013.01 - EP KR US)

Cited by
DE102015207741A1; EP3088087A1; US9925546B2

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 1491260 A1 20041229; EP 1491260 B1 20050810; AT E301502 T1 20050815; CN 100512973 C 20090715; CN 1572374 A 20050202; DE 50300967 D1 20050915; DK 1491260 T3 20051114; ES 2244868 T3 20051216; JP 2005007394 A 20050113; JP 4188881 B2 20081203; KR 101100856 B1 20120102; KR 20040111189 A 20041231; SI 1491260 T1 20051031; US 2005017093 A1 20050127; US 7175109 B2 20070213; ZA 200404876 B 20050426

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