

Title (en)

Apparatus for spraying, pickling or rinsing liquids on metal objects

Title (de)

Vorrichtung zum Aufspritzen von Beiz- oder Spülflüssigkeit auf ein metallisches Behandlungsgut

Title (fr)

Appareil pour projeter des liquides de décapage ou de rinçage sur des objets métalliques

Publication

**EP 1122338 B1 20070228 (DE)**

Application

**EP 01100533 A 20010110**

Priority

DE 10003847 A 20000131

Abstract (en)

[origin: EP1122338A2] The device has a spray pipe(2) with at least two spaced apart nozzle rows and sealed on an inner pipe(3). A row of holes(9) is provided in the inner pipe, and when the inner pipe is in situ these holes point to the product to be treated and align with the nozzles of one row in the outer pipe. The outer spray pipe on one side is rotatably mounted by a flange(5) in the wall of a tank, and on the other side the inner pipe is flanged on the opposite lying tank wall and connected to the fluid supply(12).

IPC 8 full level

**B05B 1/20** (2006.01); **C23G 3/02** (2006.01); **B05B 1/16** (2006.01); **C23G 3/00** (2006.01)

CPC (source: EP)

**B05B 1/1672** (2013.01); **C23G 3/023** (2013.01)

Cited by

CN108773492A; CN109866999A; CN110355020A; CN102873044A; CN114892179A; EP2145981A3; EP3970863A1; CN114226087A; WO2022194770A1; WO2018130799A1; EP2145981A2; DE102008032933A1; WO2004111307A1

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**EP 1122338 A2 20010808**; **EP 1122338 A3 20040121**; **EP 1122338 B1 20070228**; AT E355403 T1 20060315; DE 10003847 A1 20010802; DE 50112093 D1 20070412; JP 2001271187 A 20011002

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