

Title (en)
ROTARY NOZZLE

Title (de)
ROTIERENDE DÜSE

Title (fr)
AJUTAGE ROTATIF

Publication
EP 2877291 A4 20160316 (EN)

Application
EP 13822345 A 20130726

Priority

- US 201213560423 A 20120727
- US 201261681802 P 20120810
- US 201261681798 P 20120810
- US 201313828582 A 20130314
- US 2013052330 W 20130726

Abstract (en)
[origin: WO2014018892A1] A nozzle is provided having a pattern adjustment valve that may be adjusted to irrigate a substantially rectangular irrigation area. The nozzle may be further adjusted to irrigate three different substantially rectangular irrigation areas. A variable arc nozzle is also provided that includes an arc adjustment valve having elements that cooperate with one another to adjust the valve between a minimum arc position and a maximum arc position. Further, a variable arc nozzle is provided that includes an arc adjustment valve having a segmented valve body with segments of different axial lengths. The valve settings may be selected by pressing down and rotating a deflector to directly actuate the valve. Each nozzle may also include a flow reduction valve that may be adjusted by actuation of an outer wall of the nozzle. Rotation of the outer wall causes a flow control member to move axially to or away from an inlet.

IPC 8 full level
B05B 1/26 (2006.01); **A01G 25/00** (2006.01)

CPC (source: EP US)
B05B 1/262 (2013.01 - EP US); **B05B 3/021** (2013.01 - EP); **B05B 3/0486** (2013.01 - EP); **B05B 12/16** (2018.01 - EP US)

Citation (search report)

- [A] EP 2255884 A1 20101201 - RAIN BIRD CORP [US]
- [A] US 4842201 A 19890627 - HUNTER EDWIN J [US]
- See references of WO 2014018892A1

Cited by
EP3613516A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2014018892 A1 20140130; EP 2877291 A1 20150603; EP 2877291 A4 20160316; EP 2877291 B1 20170412; ES 2625425 T3 20170719

DOCDB simple family (application)
US 2013052330 W 20130726; EP 13822345 A 20130726; ES 13822345 T 20130726