

Title (en)
AERATOR FOR THE NOZZLE OF A WATER TAP

Publication
EP 0216319 A3 19870527 (DE)

Application
EP 86112917 A 19860918

Priority
DE 3534113 A 19850925

Abstract (en)
[origin: US4789103A] A faucet aerator having a cylindrical housing with air openings therein and a lenticular screen arrangement in the housing downstream from the openings. The screen arrangement comprises two curved or dished screens arranged with their peripheral edges abutting and with their central portions spaced apart to form an air/water mixing chamber between them. The screens, in one embodiment, are integrally joined together along a portion of their peripheries. The aerator includes support means on the housing for supporting the screen arrangement by its peripheral edge on one side. A perforated member is mounted in the housing upstream from the air openings and a central spacer projects downstream to hold the screen arrangement against the support means.

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E03C 1/084

IPC 8 full level
E03C 1/084 (2006.01)

CPC (source: EP US)
E03C 1/084 (2013.01 - EP US)

Citation (search report)
• [Y] US 3531051 A 19700929 - CLASSEN HANS-HEINRICH
• [Y] GB 903139 A 19620809 - ELIE PRODROMOS AGHNIDES
• [A] US 3138332 A 19640623 - GOTTLOB HINDERER
• [A] US 4470546 A 19840911 - WILDFANG DIETER [DE]
• [A] US 3684191 A 19720815 - SHAMES SIDNEY J, et al
• [A] US 3851825 A 19741203 - PARKISON R, et al

Cited by
EP0268844A1; EP0284763A3; EP2915927A3; EP3572593A3; WO9506787A1; US9388557B2; US9580893B2; US9752305B2; US9909292B2; US10208466B2

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