

Title (en)
MIXING DEVICE FOR TWO LIQUIDS HAVING DIFFERENT DENSITIES

Publication
EP 0236236 B1 19900110 (FR)

Application
EP 87400476 A 19870304

Priority
FR 8603093 A 19860305

Abstract (en)
[origin: EP0236236A1] 1. Mixing device (2) for two liquids (4, 6) having different densities, comprising a vertical tube (10), a shaft (12) able to coaxially rotate in tube (10) and successively having from bottom to top a lower helical part (14), whose helix is formed in a first direction, at least one blade (16) located in a radial plane of the shaft (12) and having an external diameter slightly smaller than the internal diameter of the tube (10), an upper helical part (18), whose helix is formed in a second direction opposite to the first, holes (20) being formed in tube (10) facing blade (16), inlets (22, 24) for the liquids (4, 6) being provided in tube (10), characterized in that the helical parts (14, 18) have at least several complete turns, so as to form an Archimedean screw and in that helical spacings of said helical parts (14, 18) differ.

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B01F 7/16

IPC 8 full level
B01F 7/16 (2006.01)

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Cited by
DE102005031459A1; CN108772001A; CN110341161A; EP0424315A3

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