

Title (en)
DEVICE FOR THE PRODUCTION OF INFLAMMABLE SOLID/GAS SUSPENSIONS

Publication
EP 0177090 B1 19900613 (DE)

Application
EP 85201500 A 19850919

Priority
DE 3436624 A 19841005

Abstract (en)
[origin: ES8605300A1] A device for producing ignitable solids/gas suspensions has a vertical feeder for a solids/prim. gas suspension, surrounded by a concentric secondary gas conduit, and mixing stages for both streams. - The feeder is an expansion chamber (2) with a tangential horizontal inlet pipe (1) for the suspension and is followed by two mixing stages (I,II) in the form of series-connected venturi diffusers. The secondary gas conduit (8) concentrically surrounds the diffuser (5,6,7) of the first mixing stage (I). A gas flame-stabilising burner ring (G) with alternating fuel gas and oxygen nozzles (14,14a) is fitted to the second mixing stage (II) in the region of the diffuser outlet equipped with a cooling chamber (18).
[origin: ES8605300A1] A device for producing ignitable solids/gas suspensions has a vertical feeder for a solids/prim. gas suspension, surrounded by a concentric secondary gas conduit, and mixing stages for both streams. - The feeder is an expansion chamber (2) with a tangential horizontal inlet pipe (1) for the suspension and is followed by two mixing stages (I,II) in the form of series-connected venturi diffusers. The secondary gas conduit (8) concentrically surrounds the diffuser (5,6,7) of the first mixing stage (I). A gas flame-stabilising burner ring (G) with alternating fuel gas and oxygen nozzles (14,14a) is fitted to the second mixing stage (II) in the region of the diffuser outlet equipped with a cooling chamber (18).

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B01F 5/04; C22B 5/14; F23D 1/02; F23J 9/00

IPC 8 full level
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CN113088715A; DE102014210402A1; US9957586B2; US8579366B2

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EP 0177090 A2 19860409; EP 0177090 A3 19870819; EP 0177090 B1 19900613; AU 4833585 A 19860410; AU 582971 B2 19890413; BR 8504911 A 19860722; CA 1264252 A 19900109; CN 1007923 B 19900509; CN 85107375 A 19860903; DE 3436624 A1 19860410; DE 3578206 D1 19900719; ES 547532 A0 19860316; ES 8605300 A1 19860316; FI 79348 B 19890831; FI 79348 C 19891211; FI 853836 A0 19851003; FI 853836 L 19860406; IN 160230 B 19870704; JP S6196044 A 19860514; KR 860003354 A 19860523; PH 23693 A 19890927; PL 148450 B1 19891031; PL 255660 A1 19860729; PT 81259 A 19851101; PT 81259 B 19920630; US 4665842 A 19870519; YU 157285 A 19880229; YU 44137 B 19900228; ZA 857675 B 19870624

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