

Title (en)
MIXER

Publication
EP 0105107 B1 19870722 (DE)

Application
EP 83107090 A 19830720

Priority
DE 3236780 A 19821005

Abstract (en)
[origin: ES8404616A1] Mixing apparatus is provided for the production of mixtures of particulate solids and in particular, for the production of various mortar mixtures. The apparatus includes metering means, control means and transfer means for metering out and introducing predetermined quantities of components into a mixer and thereupon, after mixing, delivering the mixed product into means for loading transportation vehicles. The apparatus has no intermediate containers for storing various mixtures of building materials. A mixer is provided which can be emptied residue-free. A self-cleaning conveying system from the mixer to each transfer device is further provided. The lower wall zone of the mixer can be completely opened for residue-free emptying, the opening angle being greater than the angle of slide of the mixing material or residues thereof in the mixer. Such an opening prevents appreciable residues from being left in the mixer and from contaminating subsequent mixtures.

IPC 1-7
B01F 15/02; **B01F 3/18**; **B01F 7/04**; **B28C 5/14**; **B28C 7/10**; **B28C 7/16**; **B28C 9/02**

IPC 8 full level
B01F 15/02 (2006.01); **B01F 3/18** (2006.01); **B01F 7/04** (2006.01); **B01F 13/00** (2006.01); **B28C 5/14** (2006.01); **B28C 7/10** (2006.01); **B28C 7/16** (2006.01); **B28C 9/00** (2006.01); **B28C 9/02** (2006.01)

CPC (source: EP KR US)
B01F 33/00 (2022.01 - KR); **B01F 35/71** (2022.01 - KR); **B28C 9/00** (2013.01 - EP US)

Citation (examination)
• DE 3027069 A1 19820218 - MATHIS SYSTEMTECHNIK GMBH [DE]
• FR 1329058 A 19630607
• CH 349477 A 19601015 - BUEHLER AG GEB [CH]

Cited by
EP0391494A1; CN102922605A; DE3930954A1; CN111923242A; CN111361007A; CN104118059A

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0105107 A2 19840411; **EP 0105107 A3 19850814**; **EP 0105107 B1 19870722**; AT E28408 T1 19870815; AU 1914483 A 19840412; AU 555362 B2 19860918; BR 8305464 A 19840515; CA 1235688 A 19880426; DE 3236780 A1 19840405; DE 3236780 C2 19840906; DE 3372582 D1 19870827; ES 525107 A0 19840516; ES 8404616 A1 19840516; JP S5966336 A 19840414; KR 840006616 A 19841201; KR 870000082 B1 19870210; SU 1535372 A3 19900107; US 4548507 A 19851022; ZA 836413 B 19840530

DOCDB simple family (application)
EP 83107090 A 19830720; AT 83107090 T 19830720; AU 1914483 A 19830915; BR 8305464 A 19831004; CA 436706 A 19830914; DE 3236780 A 19821005; DE 3372582 T 19830720; ES 525107 A 19830823; JP 16057583 A 19830902; KR 830004347 A 19830915; SU 3649575 A 19831004; US 53536983 A 19830923; ZA 836413 A 19830830