Title (en)
HYDROMECHANICAL MIXING APPARATUS FOR PRODUCING A MIXTURE OF POWDER OR GRANULAR STATE MATERIAL AND LIQUID

Title (de)
HYDROMECHANISCHES MISCHGERÄT ZUR HERSTELLUNG EINER MISCHUNG AUS PULVER ODER MATERIAL IN GRANULATZUSTAND UND FLÜSSIGKEIT

Title (fr)
APPAREIL DE MELANGE HYDROMECANIQUE SERVANT A PRODUIRE UN MELANGE DE MATIERE A L'ETAT PULVERULENT OU GRANULAIRE ET DE LIQUIDE

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Abstract (en)
[origin: WO9808596A1] A hydromechanical mixing apparatus for producing a mixture of powder or granular state material and fluid, the apparatus comprising at least one mixing space, a hopper (15) for introducing the powder or granular state material into the mixing space, an inlet pipe (26) for introducing the fluid into the mixing space, circulating means for returning at least one part of the mixture into the mixing space and a pump (20) for delivering the mixture through an outlet pipeline (23). Said at least one mixing space comprises an upper mixing space (11) and a lower mixing space (12) located one below the other, the upper and lower mixing spaces (11, 12) being connected by a conducting pipe (14) having a cross section smaller than that of the upper mixing space (11), said circulating means comprise a first circulating system (18, 21) for delivering one part of the mixture from a bottom part of the lower mixing space (12) into the upper mixing space (11), and a second circulating system (19, 22) for delivering another part of the mixture from the bottom part of the lower mixing space (12) into the lower mixing space (12).

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