

Title (en)
Vibratory processing arrangements.

Title (de)
Vorrichtungen für Vibrationsbehandlung.

Title (fr)
Dispositifs de traitement par vibrations.

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Application
EP 86309280 A 19861127

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Abstract (en)
A vibratory processing arrangement including an apparatus comprising three main stages. Namely, a high level waste vibrating impregnator (A), a vibrating calciner (B) and a vibratory powder mixer (C). The waste impregnator (A) comprises a downwardly inclined trough (1) having flexible mountings (2) and a vibrator (3) at its upstream end, a hood structure (4) and a series of liquid sprays (5) connected to a high level waste supply tube (6). The vibratory calciner (B) comprises a downwardly inclined tube (12) connected to downstream discharge tube (14). The discharge tube (14) has an inlet pipe (15) for entry of reducing gas. The reducing gas passes upwardly through the tubes (14, 12) to a gas discharge take-off tube (16) near the upstream end of the tube (12). A vibrator (18) is tuned to provide the desired flow rate through tube (12). Calcined discharge powder falls downwardly into the vibratory mixer (C), which has a vibratory actuator (20) and flexible mountings (21). Titanium powder is introduced into the vibratory mixer (C) through a secondary inlet (23) and is intimately mixed with the calcined discharged powder before tury being discharged into respective canisters.

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Citation (search report)
• [A] FR 2123339 A1 19720908 - ENVIRONMENTAL TECHNOLOGY [US]
• [A] EP 0030467 A2 19810617 - HITACHI LTD [JP]
• [A] EP 0102246 A1 19840307 - ATOMIC ENERGY OF AUSTRALIA [AU], et al
• [XP] GB 2163893 A 19860305 - AGIP SPA, et al
• [A] FR 2419569 A1 19791005 - KRAFTWERK UNION AG [DE]

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