

Title (en)
RECOVERY OF CHROMITE FINES

Title (de)
GEWINNUNG VON CHROMITFEINKÖRNERN

Title (fr)
RÉCUPÉRATION DE FINES DE CHROMITE

Publication
EP 3914740 B1 20230517 (EN)

Application
EP 20712025 A 20200226

Priority
• ZA 201901722 A 20190320
• IB 2020051627 W 20200226

Abstract (en)
[origin: WO2020188379A1] A process (10, 200) for recovery of chromite fines from a slurry includes feeding a feed slurry (68) comprising chromite fines to a wet spiral concentrator stage (14) comprising a plurality of wet spiral separators or wet spiral concentrators (32), separating the slurry (68) by means of the wet spiral separators or concentrators (32) into a higher-grade chromite slurry (74), a lower-grade chromite slurry (76) and a first tails stream (78), magnetically separating the lower-grade chromite slurry (76) in a wet magnetic separation stage (24) into a magnetic material stream (80) and a non-magnetic material reject stream (86), and separating the higher-grade chromite slurry (74) and the magnetic material stream (80) in a shaking table stage (18) into a chromite concentrate (90) and a second tails stream (92).

IPC 8 full level
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