

Title (en)
CYANIDE RECOVERY PROCESS

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EP 0439536 A4 19911127 (EN)

Application
EP 89912367 A 19891020

Priority
• NZ 23053289 A 19890901
• US 26138688 A 19881021

Abstract (en)
[origin: WO9004655A1] A process for removing and recovering cyanide from a cyanide-containing mixture. A cyanide-containing waste stream (12) is treated in a pH adjustment zone (14) by addition of acidifying agent (16) in order to obtain a stream having a pH between about 6 and about 9.5. The pH adjusted stream is then transferred (18) from zone (14) to a volatilization zone (20), where HCN is transferred from the liquid phase to the gas phase using a volatilization gas (19). The stream of volatilized HCN and volatilization gas is removed from zone (20) and transferred into a cyanide recovery zone (26) to which basic material is fed (22). The treated tailings can be removed (28) and contacted in zone (31) with alkaline material (35) to readjust the pH upward to a range of about 9.5 to about 10.5 in order to precipitate metals. The resulting pH adjusted tailings (32) can then be impounded (34).

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C22B 11/08; C01C 3/08

IPC 8 full level
C22B 11/08 (2006.01)

CPC (source: EP)
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• No further relevant documents have been disclosed.
• See references of WO 9004655A1

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