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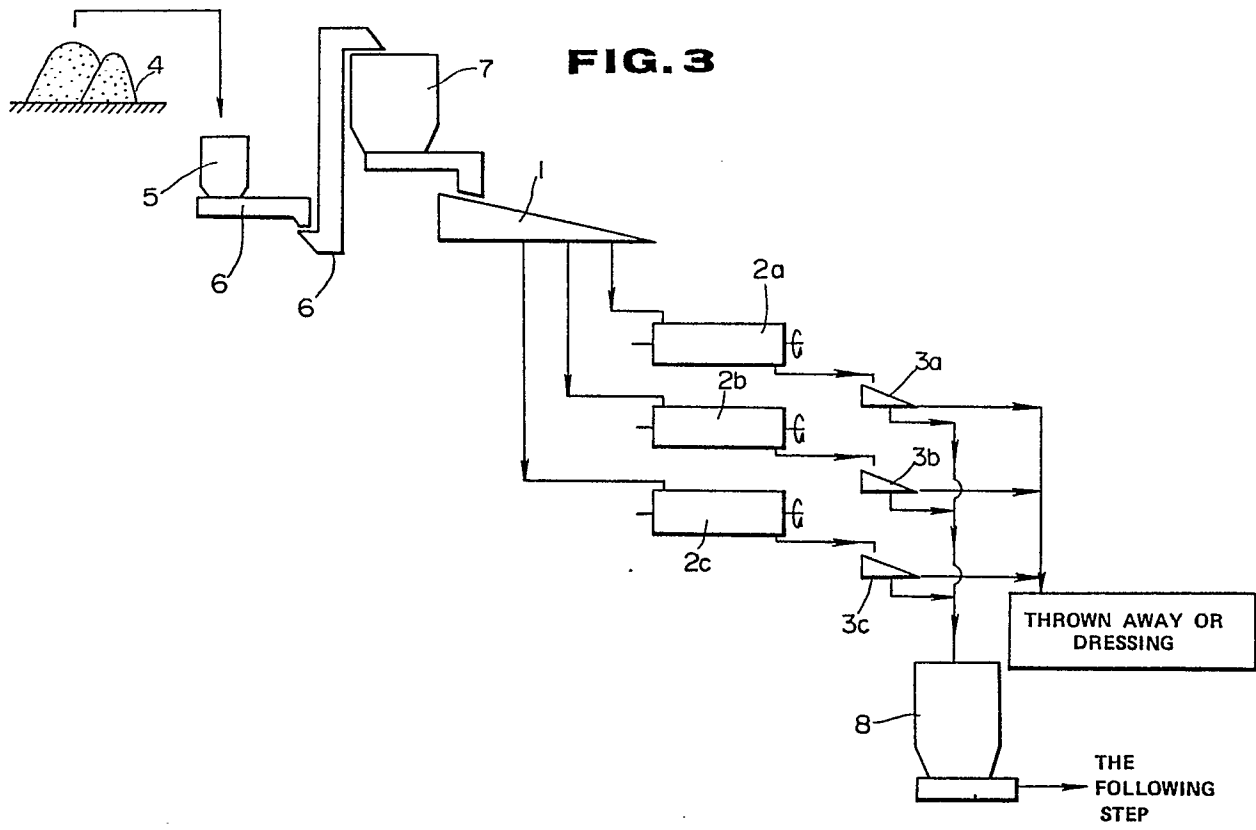
Method for separating crusts and substrates.

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A method for separating crusts and substrates comprises the steps of: classifying mixed ores composed of crusts and substrates, as a first classification step, by at least one first classifier (1), into plurality of groups of classified ores; crushing each of the groups of the classified ores into plurality of groups of crushed ores by crushers (2a,2b,2c) equipped with heaters, each, while the classified ores are kept heated; and classifying each of the groups of the crushed ores as a second classification step, by at least one second classifier

(3a,3b,3c), thereby to separate the crusts and the substrates. The heating of the classified ores can be separately carried out by an independent heating apparatus before the crushing of the classified ores. The temperature of the heating is at 500 to 1,300 °C. 800 to 1,000 °C is more preferable.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
D, P A	JP-A-6 312 381 (NKK CORP.) * Whole document * ---	1,7,13, 16	B 03 B 1/02 B 07 B 9/00
A	FR-A- 718 751 (SEIGLE) * Page 1, lines 1-7; page 3, lines 78-88; page 4, lines 18-79; page 6, line 42 - page 7, line 68 * ---	1,2,7,8 ,13,14, 16,17	
A	US-A-2 772 775 (ATWOOD) * Column 2, lines 20-26,37-43,68-71; column 3, lines 6-12 * ---	1,2,7,8 ,13,14, 16,17	
A	GB-A-1 242 444 (SOC. DES D'ANDERNY-CHEVILLON) * Page 1, lines 28-59; page 2, lines 23-33,80-88,110-128; figures * ---	1,7,13, 16	
A	US-A-4 624 416 (DAHLBERG et al.) * Column 2, lines 1-20; column 3, line 59 - column 4, line 16; figures * ---	1-3,7-9 ,13-18	
A	US-A-4 468 847 (BOWMAN et al.) * Column 2, lines 33-48; column 3, lines 52-63; column 6, lines 30-38; figure 1 * -----	1,7,13, 16	TECHNICAL FIELDS SEARCHED (Int. Cl.5) B 03 B B 07 B C 22 B B 02 C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 14-12-1989	Examiner VAN DER ZEE W.T.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			