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(54) Title: CRUSHER, CRUSHING SHELL, AND METHOD OF ATTACHING CRUSHING SHELL

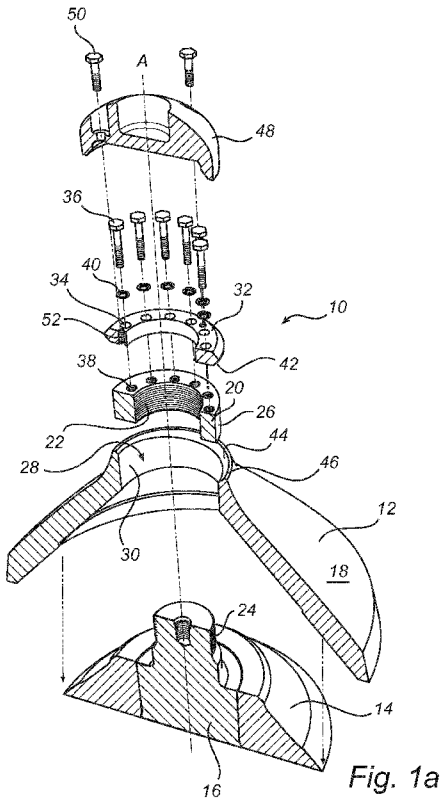


Fig. 1a

(57) Abstract: A cone crusher comprises an inner crushing shell (12) supported on a crushing head (14) and clamped thereonto by a retaining arrangement (10), the crushing head (14) being arranged for rotating about a crushing head axis (A). The retaining arrangement (10) comprises a first portion (24) of a threaded joint for self-tightening the retaining arrangement (10), said first portion (24) being concentric with said crushing head axis (A) and rigidly joined with the crushing head (14); a first portion (30) of a form-fitting engagement arrangement, said first portion (30) being rigidly joined with the inner crushing shell (12); and a crushing shell tightener (20) provided with a second portion (22) of said threaded joint and a second portion (26) of said form-fitting engagement arrangement, said form-fitting engagement arrangement rotationally locking the crushing shell tightener (20) to the inner crushing shell (12).

TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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B. FIELDS SEARCHED

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B02C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 7 216 823 B2 (DELILLE JEAN-PIERRE [FR] DELILLE JEAN PIERRE [FR]) 15 May 2007 (2007-05-15) cited in the application column 2, line 46 - column 3, line 18; figures 1-4 -----	1,2, 7-11, 15-17 3-5, 12-14, 18,19
X	GB 19353 A A.D. 1909 (NEWTON PHILIP ARTHUR [GB]) 21 October 1909 (1909-10-21) page 2 - page 3; figures 2-4 -----	1,6

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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