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EUROPEAN PATENT APPLICATION

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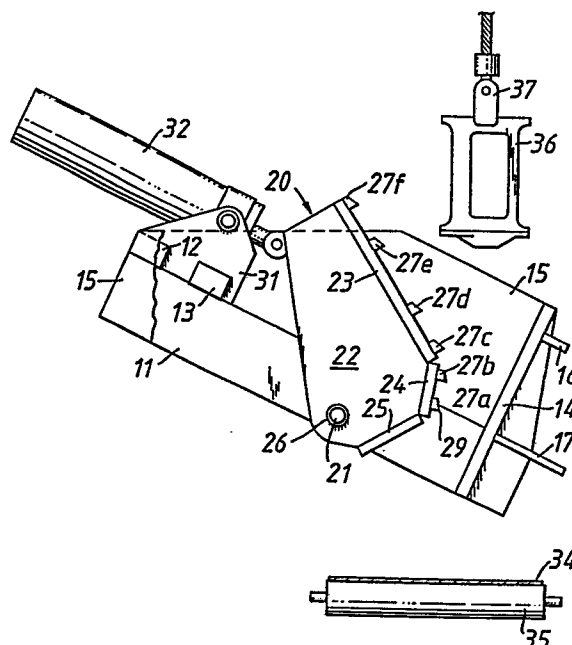
⑧④ Designated Contracting States: **AT BE CH DE FR GB IT LI LU NL SE**

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⑤④ **Apparatus and method for fragmenting frangible objects.**

⑤⑦ Apparatus for fragmenting brittle or other breakable objects, such as scrap metal castings or rock, includes a pivoted first crushing member (20, 50) and a fixed second crushing member (14, 54). The first member has a plurality of crushing regions (23, 24, 27) located at various distances from the pivot axis (26), which is offset, so that each successive crushing region approaches the second member closer than the preceding crushing region. The object is fragmented by a combination of compression and shear forces. Projections (27) may be provided to localise the forces, and loose members such as chains (56) may be utilised to dislodge adherent fragments from within the apparatus.





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. ³)
Y	US-A-1 683 917 (RAUN) * Page 1, lines 90-100; page 3, lines 5-57 *	1, 10, 11	B 02 C 1/00
Y	--- US-A-2 962 958 (SHOLIN) * Column 3, lines 40-47; figure 2 *	1, 10, 11	
A	--- US-A-1 513 855 (PHELPS) * Page 2, lines 13-51 *	1, 6, 10, 11	
A	--- US-A-1 346 871 (ANDRESEN) * Page 3, lines 68-84 *	1, 10, 13	
A	--- US-A-2 409 863 (HYDE) * Column 2, lines 32-45 *	1, 7, 13	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 28-08-1984	Examiner VERDONCK J.C.M.J.
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	