Title (en)
Continuous picklung method and apparatus.

Title (de)
Verfahren und Vorrichtung zum kontinuierlichen Beizen.

Title (fr)
Méthode et appareil de décapage continu.

Publication
EP 0225273 A1 19870610 (EN)

Application
EP 86730180 A 19861103

Priority
- JP 27343185 A 19851206
- JP 27506785 A 19851209
- JP 27506885 A 19851209

Abstract (en)
The present invention is directed to a continuous pickling method for continuously pickling a material to be pickled, the method being characterised by heating the material up to a temperature higher than a boiling point of an acid liquid under atmospheric pressure, and then pickle the material; a continuous pickling method characterized in that in the pickling process, the acid liquid is jetted against the material, without immersing the material into the acid liquid; and a continuous pickling pretreating apparatus, used in the above mentioned continuous pickling methods, which comprises a tank for receiving herein hot water having a temperature higher than its boiling point under atmospheric pressure, a heating device for heating the hot water, and seal rolls disposed at an outlet and an inlet of the tank and the material.

IPC 1-7
C23G 3/02; C23G 1/02

IPC 8 full level
C23G 1/02 (2006.01); C23G 3/02 (2006.01)

CPC (source: EP KR)
C23G 1/00 (2013.01 - KR); C23G 1/02 (2013.01 - EP); C23G 3/023 (2013.01 - EP); C23G 3/028 (2013.01 - EP)

Citation (search report)
- AT 294523 B 19711015 - MITSUBISHI HEAVY IND LTD [JP]
- US 3439907 A 19690422 - GUINGAND JEAN RAYMOND

Cited by
US5466309A; CN102644087A; FR2701493A1; CN105483741A; AT500729B1; FR2701410A1

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0225273 A1 19870610; EP 0225273 B1 19900328; AU 594988 B2 19900322; AU 6550186 A 19870611; BR 8605681 A 19870818; DE 3669898 D1 19900503; KR 870006236 A 19870710

DOCDB simple family (application)
EP 86730180 A 19861103; AU 6550186 A 19861118; BR 8605681 A 19861117; DE 3669898 T 19861103; KR 860010118 A 19861128