

Title (en)

Quenching bath, and process for quenching metals.

Title (de)

Abschreckbad und Verfahren zum Abschrecken von Metallen.

Title (fr)

Bain et procédé de trempe des métaux.

Publication

**EP 0100280 A1 19840208 (FR)**

Application

**EP 83401521 A 19830725**

Priority

FR 8212921 A 19820723

Abstract (en)

[origin: US4441937A] Bath for the quenching of ferrous and nonferrous metals and their alloys, comprising a hydrogenated starch hydrolysate having, expressed with respect to the dry matter, a percentage of products of degree of polymerization 1 and 2 comprised between 1 and 90, the complement to 100 being constituted by products of degree of polymerization equal to or higher than 3.

Abstract (fr)

Application à la trempe des métaux ferreux, non ferreux et de leurs alliages, d'un hydrolysat d'amidon hydrogéné présentant, exprimé sur la matière sèche, un pourcentage de produits de degré de polymérisation 1 et 2 compris entre 1 et 90, le complément à 100 étant constitué par des produits de degré de polymérisation égal ou supérieur à 3.

IPC 1-7

**C21D 1/60**

IPC 8 full level

**C21D 1/60** (2006.01)

CPC (source: EP US)

**C21D 1/60** (2013.01 - EP US)

Citation (search report)

- [A] FR 2438099 A1 19800430 - CENTRE RECH METALLURGIQUE [BE]
- [A] FR 1384244 A 19650104 - UNION CARBIDE CORP
- [A] FR 1167785 A 19581128
- [X] PATENTS ABSTRACTS OF JAPAN, vol. 2, no. 110, 13 septembre 1978, page 2061 C 78 & JP-A-53 073 406 (NIKKEN KAGAKU K.K.) 29-06-1978
- [X] DERWENT JAPANESE PATENTS REPORT, vol. 74, no. 45, 10 décembre 1974, section M, page 1, colonne de gauche, Londres, GB. & JP-A-49 040 324 (KANTO YAKIN KOGYO K.K.) 01-11-1974

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FR2671103A1; WO9212267A1

Designated contracting state (EPC)

AT BE DE GB IT LU NL SE

DOCDB simple family (publication)

**EP 0100280 A1 19840208; EP 0100280 B1 19870121**; AT E25110 T1 19870215; AU 1726283 A 19840126; AU 542742 B2 19850307; BR 8303929 A 19840228; CA 1232828 A 19880216; DE 3369345 D1 19870226; ES 524360 A0 19840416; ES 8403973 A1 19840416; FR 2530668 A1 19840127; FR 2530668 B1 19870507; JP S5935617 A 19840227; US 4441937 A 19840410; ZA 835377 B 19850227

DOCDB simple family (application)

**EP 83401521 A 19830725**; AT 83401521 T 19830725; AU 1726283 A 19830725; BR 8303929 A 19830722; CA 432914 A 19830721; DE 3369345 T 19830725; ES 524360 A 19830722; FR 8212921 A 19820723; JP 13423883 A 19830722; US 51546683 A 19830720; ZA 835377 A 19830722