

Title (en)

A continuous casting nozzle for casting molten steel

Title (de)

Ausguss für den Einsatz im Stahl-Strangguss

Title (fr)

Busette de coulée pour usage dans la coulée continue d'acier

Publication

**EP 0846514 B1 20001220 (EN)**

Application

**EP 97118925 A 19971030**

Priority

JP 34259796 A 19961205

Abstract (en)

[origin: EP0846514A1] The invention is related to a continuous casting nozzle for casting of aluminum killed steel without clogging of the bore of the nozzle. The surface layer of the bore of the continuous casting nozzle contacting with the molten steel is formed of a refractory comprising graphite from 10 to 35 wt%, an aggregate of 10 to 60 wt% selected from from alumina matter, zirconia matter, zircon matter, or alumina-silica matter and roseki containing the pyrophyllite (Al<sub>2</sub>O<sub>3</sub>.4SiO<sub>2</sub>.H<sub>2</sub>O) as the main component as the rest part of the above mentioned materials.

IPC 1-7

**B22D 41/54**

IPC 8 full level

**B22D 11/10** (2006.01); **C04B 35/16** (2006.01); **B22D 41/54** (2006.01)

CPC (source: EP)

**B22D 41/54** (2013.01)

Cited by

EP0970768A1; US6283341B1; EP1097763B1

Designated contracting state (EPC)

AT DE FR GB IT

DOCDB simple family (publication)

**EP 0846514 A1 19980610**; **EP 0846514 B1 20001220**; AT E198172 T1 20010115; AU 4522997 A 19980611; AU 730801 B2 20010315; CA 2223356 A1 19980605; CA 2223356 C 20020723; DE 69703729 D1 20010125; DE 69703729 T2 20010419; JP H10166116 A 19980623

DOCDB simple family (application)

**EP 97118925 A 19971030**; AT 97118925 T 19971030; AU 4522997 A 19971114; CA 2223356 A 19971203; DE 69703729 T 19971030; JP 34259796 A 19961205