

Title (en)
PROCESS FOR COOLING THIN METAL STRIPS

Publication
EP 0111985 A3 19850807 (FR)

Application
EP 83201820 A 19831220

Priority
BE 6047760 A 19821221

Abstract (en)
[origin: EP0111985A2] 1. Process for cooling a moving thin steel strip by spraying a refrigerant onto the surface of the strip, in which the said steel strip is subjected to a low intensity cooling phase followed by a high intensity cooling phase, characterized in that the said low intensity phase is carried out with a heat exchange coefficient less than or equal to 3 kW/m**2 degrees C and in the said high intensity phase is carried out with a heat exchange coefficient greater than 3 kW/m**2 degrees C, and in that the said low intensity phase is interrupted when the strip has reached a temperature of between 600 degrees C and 350 degrees C.

IPC 1-7
C21D 9/573; C21D 1/667

IPC 8 full level
B21B 45/02 (2006.01); **C21D 1/667** (2006.01); **C21D 9/573** (2006.01)

CPC (source: EP)
B21B 45/0218 (2013.01); **C21D 1/667** (2013.01); **C21D 9/573** (2013.01)

Citation (search report)
• [X] BE 880587 A 19800612 - CENTRE RECH METALLURGIQUE
• [A] BE 873060 A 19790622 - CENTRE RECH METALLURGIQUE
• [A] GB 1151265 A 19690507 - OLIN MATHIESON [US]
• [XP] BE 895434 A 19830415 - CENTRE RECH METALLURGIQUE

Cited by
EP0921208A3; FR2940978A1; CN102272338A; US8918199B2; WO2010079452A1; US6301920B2; US6305176B1; US6537374B2

Designated contracting state (EPC)
AT DE FR GB IT LU

DOCDB simple family (publication)
EP 0111985 A2 19840627; EP 0111985 A3 19850807; EP 0111985 B1 19890329; AT E41789 T1 19890415; DE 3379508 D1 19890503

DOCDB simple family (application)
EP 83201820 A 19831220; AT 83201820 T 19831220; DE 3379508 T 19831220