

Title (en)
EXPANDING TOOL AND EXPANDING DEVICE

Publication
EP 0266671 A3 19880907 (DE)

Application
EP 87115867 A 19871029

Priority
• DE 3637292 A 19861103
• DE 3643727 A 19861220

Abstract (en)
[origin: US4831855A] A flaring tool and flaring apparatus for cylindrically flaring the ends of tubes. The flaring tool is provided in the vicinity of one end thereof with flaring elements that are fixedly connected thereto and have an at least approximately spherical shape. The flaring elements are essentially in point-type contact with the tube and generate high specific deformation forces during flaring. When the flaring tool is rotated about its axis, the tube end is continuously flared. The flaring apparatus has an adapter that can be shifted via a thread connection. The adapter fixedly accommodates the flaring tool, and can be connected to a drive unit.

IPC 1-7
B21D 39/14; **B21D 41/02**

IPC 8 full level
B21D 39/08 (2006.01); **B21D 41/02** (2006.01)

CPC (source: EP US)
B21D 41/02 (2013.01 - EP US)

Citation (search report)
• [X] DE 1896112 U 19640709 - DAVID KOTTHAUS AG [DE]
• [X] CH 416521 A 19660715 - PERNET CYRIL [CH]
• [A] US 2449247 A 19480914 - JOSEPH PAUCEK ANDREW
• [A] DE 8534175 U1 19860130
• [A] DD 149475 A1 19810715 - KOSKINEN KAUNO L J

Cited by
CN108326165A; WO2007065955A1

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 0266671 A2 19880511; **EP 0266671 A3 19880907**; **EP 0266671 B1 19901003**; DE 3643727 A1 19880630; DE 3643727 C2 19960905; DE 3765386 D1 19901108; ES 2017987 B3 19910316; US 4831855 A 19890523

DOCDB simple family (application)
EP 87115867 A 19871029; DE 3643727 A 19861220; DE 3765386 T 19871029; ES 87115867 T 19871029; US 11665287 A 19871103