

Title (en)
METHOD AND DEVICE FOR PULVERIZING A SOLID FUEL

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Application
EP 82401176 A 19820625

Priority
FR 8113095 A 19810703

Abstract (en)
[origin: US4783010A] The invention relates to a method and device for pulverizing a solid fuel material introduced inside a vessel by means of a screw conveyor through a die opening within the vessel and in which is formed by extrusion a roll of compressed material, the latter being disintegrated by at least one gas jet injected under high pressure. According to the invention the gas is injected from the inside of the conveyor and in the axis of each die, each gas jet having a sufficient momentum to form substantially a cone centered on the axis of the roll widening from the inside of the latter, each roll being constituted by a hollow tube whose inner wall crumbles and takes the shape of the jet liberating particles which are sucked into the jet and introduced into the vessel. The invention is particularly applicable to supplying a gasifying reactor.

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Citation (search report)

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